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Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

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Volume 142 No. 25 — Schnell Publishing Company, Inc., Publishers — December 21, 1942

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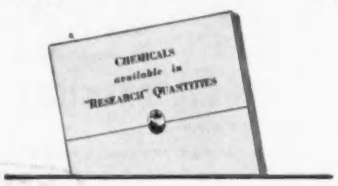

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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

SCHNELL PUBLISHING COMPANY, INC., PUBLISHERS

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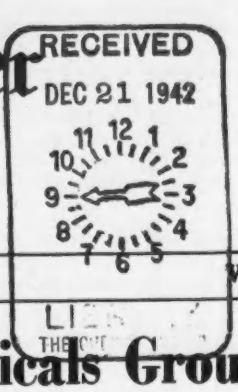

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Leon Henderson Quits As OPA Administrator

OPD Washington Bureau

The resignation of Leon Henderson as the nation's Price and Rationing Administrator was accepted December 17 by President Roosevelt. When Mr. Henderson will leave the Office of Price Administration was not dis-

World-Wide

Leon Henderson

closed, but he said he would be available to help his successor, who he hoped would be selected "immediately."

Mr. Henderson, who headed the OPA since its creation in 1941, advised the President that his resignation was dictated "principally . . . by a recurring physical difficulty and a rather bad impairment of my eyesight." He said that his doctors advised him to take a rest of at least four months.

72d—OPD—Year

Ascorbic Acid Under Allocation

OPD Washington Bureau

Ascorbic acid, known as vitamin C, was placed under allocation control December 15 through the issuance by the Director General for Operations of General Preference Order M-269. The order, in part, reads:—

"Ascorbic acid" means ascorbic acid (cevitamic acid or vitamin C) in crude or refined form. The term shall include any chemical compound of ascorbic acid but shall not include standard dosage forms (tablets, capsules, ampoules, solutions, etc.), combinations in food or beverages, or ascorbic acid of natural origin.

"Producer" means any person engaged in the production or processing of ascorbic acid, and includes any person who

—*Continued on page* 50

72d—OPD—Year

Mannitol, Sorbitol Put Under Allocation

OPD Washington Bureau

Mannitol and sorbitol, used by the armed forces in the form of derivatives, have been placed under allocation control by the Director General for Operations through issuance of General Preference Order M-270.

The main use of sorbitol is in the manufacture of ascorbin acid (Vitamin C) which also has been placed under allocation, which is used by the military for the fortification of dehydrated foods and special rations. The order, in part, reads:—

"Hexahydric alcohols" means d-sorbitol, manitol and non-crystallizing sorbitol-

—*Continued on page* 32

Chlorine Use Cut Advocated

OPD Washington Bureau

The Pulp and Paper Industry Chlorine Advisory Committee at recent meetings discussed the shortage of chlorine, pointing out that the supply is insufficient to fill even the requirements allowed under Limitation Order L-11. An amendment to the order was suggested that would further reduce the amount of chlorine consumed.

OPA Merges Cosmetics, Drugs, Medicines Units

OPD Washington Bureau

Consolidation of the work of the Proprietaries and Cosmetics Section of the Office of Price Administration with that of the Drugs and Fine Chemicals Section with Frank A. Delgado in charge was announced December 16 by Patrick Murphy Malin, chief of the OPA Chemicals Division.

The reorganization has the effect of reverting back to the original setup in the chemicals branch of having the same section handle both the raw materials and finished product problems of the drug and cosmetic industries. Mr. Malin said he believed the reorganization would be helpful to the industries because it would eliminate the overlapping of functions of the two sections that has been experienced in the past.

Robert W. Burns, who has been acting head of the Proprietaries and Cosmetics Section, will continue to handle problems in this field in the new setup.

72d—OPD—Year

Sulphuric Acid Needs For Aviation Gas Studied

OPD Washington Bureau

Means of assuring an adequate supply of sulfuric acid for the manufacture of aviation gasoline was one of the subjects discussed by the Inorganic Acids Industry Advisory Committee at its second meeting held December 15. Particular consideration was given to the sulphuric acid supply situation on the West and Gulf coasts, particularly in regard to the recovery of alkylation sludge acid, and the possibility of extending the use of hydrofluoric acid in the production of aviation gasoline. Another subject was the transportation problem as it concerns the availability of tankcars.

Committee members emphasized

—*Continued on page* 58

Synthetic Chemicals Group Discusses Alien Patents

Discussion of the processes, the possibilities, and the repercussions of licensing of alien patents seized by the Alien Property Custodian had an important place in the proceedings of the Synthetic Organic Chemical Manufacturers Association in its annual meeting December 15 in the Chemists' Club, this city.

The interest for members of the association of many of the 50,000 or so patents which the custodian has taken over is naturally basic. They asked that the custodian's office supply them with copies of the contractual form for the licensing of these patents, to be distributed through their secretary's office. They requested that specific rules be laid down for the determination of "reasonable royalties" for use of licensed patents. They urged that the APC office make a definite and clear statement of the manner and extent in which it would protect its licensees against postwar claims by former enemy owners of patents.

The APC policy, said Morrison G. Tucker, assistant to the custodian, is primarily directed to the helping of the war effort by the issuance of licenses to use seized patents. There is also the purpose to assist in the development of a sounder and more prolific chemical industry in the United States. He urged the necessity that industry make use of the patents. A classified list of these has been prepared and may be procured from the New York (120 Breadway) or Chicago (Field building) APC branch office at $5 a copy.

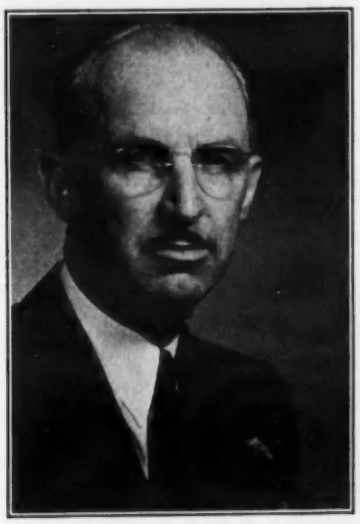
Catalog of Alien Patents

The 50,000 seized alien patents are listed according to the 300 classes

—*Continued on page* 33

Phthalic Anhydride Advisory Group Formed

The Phthalic Anhydride Industry Advisory Committee has been formed by the War Production Board. The



Harvey M. Harker

government presiding officer is Harvey M. Harker, former assistant general manager of sales for the organic chemical division of the Monsanto Chemical Company, St. Louis. Mr.

—*Continued on page* 38

72d—OPD—Year

Sulfamic Acid Ban Eased for Laboratories

OPD Washington Bureau

Small amounts of sulfamic acid and sulfamic acid derivatives have been made available by the Director General for Operations to various laboratories, without application to the War Production Board, through issuance of General Preference Order M-242 as amended.

Approximately 500 pounds of these

– *Continued on page* 38

August Merz

Manpower Chairman Sets Up Five Operating Divisions

OPD Washington Bureau

Chairman Paul McNutt has divided the War Manpower Commission into five operation divisions. The divisions are:—

Bureau of Selective Service, Major General Lewis B. Hershey, director.

Bureau of Training, Dr. W. W. Charters, acting director.

Bureau of Placement, Glen E. Brockway in charge.

Bureau of Labor Utilization, director to be announced.

Bureau of Program Planning and Review, William Haber, director.

At the same time Mr. McNutt announced the following staff:—

In the Office of the Chairman, Fowler V. Harper will continue as Deputy Chairman. Arthur S. Flemming will continue as presiding officer of the Management-Labor Committee.

In the Office of the Executive Director, the following appointments were announced:—

Acting executive director, Arthur S. Flemming; acting assistant executive directors, Robert M. Barnett (general and personnel) and Byron Mitchell (field management); budget and administrative planning service, Leonard A'Hearn, chief; administrative services, Harold S. Dotterer, chief; general counsel, Barnard C. Gavit; associate general counsel, Lt. Col. Edward F. Shattuck; information service, Philip S. Broughton.

72d—OPD—Year

Chemical Allocations List Augmented

Additional December allocations of chemicals to civilian industry, including copper chemicals, furnace type carbon black, phenolic resins and para phenyl phenol resins, were announced December 15 by the chemicals Division of the War Production Board. These allocations do not include military needs.

The purpose of the allocations is to insure that essential needs are met. As was the case with the allocations announced December 10, requests are granted in full, granted in part, or de-

—*Continued on page* 32

OPD Price Index

The OIL, PAINT AND DRUG REPORTER's relative record of prices for chemicals and related materials is current as follows:—

Dec. 18, 1942	Dec. 11, 1942	Dec. 19, 1941
138.3	138.4	141.0

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Price trends in the markets for chemicals and related materials again went into reverse last week, and the general level was fractionally lowered. Botanical products, chiefly culinary, and aromatic oils were the influential factors. The heavy oils level was upped a little.

Copper Chemicals Needs Studied by WPB

OPD Washington Bureau

A program to assure an adequate supply of copper chemicals for all essential agricultural needs during the coming year was discussed at the initial meeting of the Copper Fungicide Manufacturers Industry Advisory Committee of the Chemicals Division, War Production Board, December 17, in Washington. Representatives of the Department of Agriculture emphasized the need for copper, both as a protection against fungous disease and for soil treatment. It was pointed out that the yield per acre of many crops may be greatly affected by lack of necessary copper chemicals. The discussion included both the industry's production schedules and requirements of copper metal and a program to insure equitable distribution.

Steps are being taken to encourage use of lower-grade copper scrap in the production of copper sulphate in order to reduce the drain on the supply of copper metal.

Requirements of copper chemicals for industry and export also were discussed, and it was estimated that there would be an appreciable reduction in exports during the coming year. Large quantities of copper sulphate are normally used on Central American banana plantations, but their activities have been greatly curtailed as a result of shipping limitations.

72d—OPD—Year

Bids Wanted

Acid, Soda:—Supply Officer, Veterans Administration, Marion, Ind.; invitation 43-220, openings December 30.

Chlorine, Liquid:—946,500 pounds; Department of Purchase, City of New York; Requisition Number 1123033, openings December 23.

Compressed Gasses: — Department of Purchase, City of New York; Requisition Number OMPA 664 openings December 22.

Drugs: — Regional Procurement Officer, Treasury Department, New York; invitation 97-687207, openings December 22.

Fish Liver Oil: — Chief, Special Commodities Branch, Agricultural Marketing Administration, Department of Agriculture, Washington; announcement FSC 1147, openings 2nd and 4th Tuesdays of etch month.

Laboratory Chemicals:—Division of Purchase, Sales and Traffic, Department of Agriculture, Washington; invitation 560-43, each month.

Laundry Chemicals:—Acting Chief Clerk, Justice-Prisons, Federal Correctional Institution Federal Prison Industries, Tallahassee, Fla.; invitation PI-25-57, openings December 28.

Petrolatum:—1,500 pounds and 3,300 gallons liquid; Procurement Division, Veterans Administration, Washington; invitation 123, openings January 4.

Sulfathiazole USP: — 120 pounds; Department of Purchase, City of New York; requisition Number R12043, openings December 23.

Varnish:—10,000 gallons synthetic floor; General Purchasing Officer, The Panama Canal, Washington; schedule 6732, openings December 29.

72d—OPD—Year

Worman Chosen Director Of WPB Fertilizer Order

George Worman, of the Berkshire Chemical Company, Bridgeport, Conn., was chosen by fertilizer manufacturers affiliated with the National Fertilizer Association, at a conference with War Production Board representatives December 18, to serve as one of nine regional directors charged with supervising observance of WPB's amended order M-231, providing for a 20 percent reduction in chemical nitrogen in mixed fertilizers. The conference was held in the Pennsylvania hotel, this city.

Contents of This Issue

News and Statistics

Alcohol Production Increase Planned 7
A.M.A. 'Trust' Appeal Heard..... 5
APC Adds to Vested Stock of St. Denis, Kuhlmann 35
Argentine Tariff Pact Effective January 8..... 7
Ascorbic Acid Under Allocation.... 3

Barker Joins M.M.R. 20-Year Club.. 58

Cable with Lawson, Inc..... 34
Chemical Allocations List Augmented 3
Chemical Salesmen's Party Draws 500 34
Chickory Prices Ceiled..... 7
Chlorine Use Cut Advocated..... 3
Cottonseed Crushing Up..... 37
Cottonseed, Peanut Oils Export Ban Asked 7
Copper Chemicals Needs Studied by WPB 4
Cresylic Acid Imports Allowed Extra Discount..... 4

Enamel Coatings on Containers Allowed 5
Essential Oils Production in the Western Hemisphere..... 7

Fats, Oils Export Quotas Increased. 4
Fats, Oils Order M-71 Eased for Use, Export 4
Fibre Tubes, Cans Put Under No. 187 7
F.T.C. Authority on Labels Tested.. 5

Gum Importers Ass'n Re-elects Officers 62

Henderson Quits as OPA Administrator 3

Import Control Tightened by WPB. 5
Imports Sales Price Policy Set..... 5

Mannitol, Sorbitol Put Under Allocation 3
Manpower Chairman Sets Up Five Operating Divisions 3

National Wax Refining Co. Bought by Frank W. Clarke..... 45
New Equipment Parts L-123 Exempt 37

ODT Revises Order on Empties.... 5
OPA Merges Cosmetic, Drugs, Medicine Units 3
OPA Sets $35 Ceiling on Reconditioned Drums..... 7
OPA Transfers Paint Unit to Chemicals Division 40

Patch Co. Appoints Lawson General Manager 7
Phthalic Anhydride Advisory Group Formed 3
Property Transportation Tax Cannot Be Passed On..... 58

Quebracho Cartel Charges Denied.. 5

R.R. Rate Increase Protest Denial Asked 7
Two Basic Principles Modernized Production

Shellac Industry Committee Formed 34
Soap Makers Fined $60,000 in Trust Case 5
Soluble Dried Blood Control Order Lifted 58
Sulfamic Acid Ban Eased for Laboratories 3
Sulphuric Acid Needs For Aviation Gas Studied 3
Synthetic Chemicals Group Discusses Alien Patents 3
Catalog of Alien Patents
Patents Now Licensed
Supplies of Vat Dyes
Container Conditions
Official Family

United Color Transfers Beauchamp to Newark..... 34

Worman Chosen Director of WPB Fertilizer Order..... 4

General Features

Bids Wanted..... 4
Closing Market Developments..... 4
Current Market Quotations..... 9
Editorials 28
OPA Is Decapitated
Congressional Uselessness
Inside Technologic Data
WPB Chemical Aspects
Questions and Answers
Foreign Trade Rules..... 62
Argentina Exports
Pharmaceuticals
Industrial Uses of Chemicals..... 51
Benzyl-Sodium Tartrate
Bismuth Subsalicylate
Diamylnaphthalene
Diethylaminoethanol Oxide
Dipicrylamine
Industrial Uses of Chemicals..... 51
Lead Adipate
Leuco Malachite Green
Lithium Fluoride
Manganese Glycerophosphate
Molybdenum-Ammonium Phosphate Complex
Nonaethyleneglycol Hexarecinoleate
Obituaries 38
George Mann
Albert E. Starkie
OPD Price Index..... 4
Scientific and Professional Services 45
Shipping Information..... 62
Baltimore Imports
New York Imports
Philadelphia Imports
Substitutes and Extenders..... —
What You Can Use..... 38

Market Reports

Botanical Drugs, Spices, Gums..... 53
Coaltar Chemicals..... 36
Drugs and Fine Chemicals..... 47
Dyestuffs, Textile and Leather Chemicals 35
Essential Oils and Aromatics..... 55
Fertilizer Materials..... 59
Heavy Chemicals..... 30
Oils, Fats and Waxes..... 43
Paint, Varnish and Lacquer Materials 39
Petroleum Products..... 57

Washington Talks It Over

Ceiling the Big Stores..... 5
It's a Universal Habit..... 5
No Biologicals in Syringes..... 5
Specificity in Price Ceilings..... 5
Totaquine Dosage..... 5
Uniformity in Categories..... 5
Astronomical Vitamins..... 37
Peanut-Pricing Politics..... 37
Sardines, Sisal and Secrecy..... 37
Soybeans Sausages..... 37

Oil, Paint and Drug Reporter, Vol. 142, No. 25, December 21, 1942. Published weekly by Schnell Publishing Company, Inc., 59 John Street, New York, N. Y., U. S. A. Tel. REctor 2-9820. Subscription price:—United States and possessions, Cuba, Mexico, Central America, and South America, $5; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter January 15, 1884, at the New York Post Office under the act of March 3, 1879. Copyright 1942, by Schnell Publishing Company, Inc.

Fats-Oils Order M-71 Eased for Use, Export

OPD Washington Bureau

General preference order M-71, governing the use and distribution of fats and oils, was modified in several important respects by WPB December 18. The most important change was the broadening of quota restriction exemptions in the export field.

Heretofore the 200,000,000 pounds of fats and oils exported annually to Canada and the 170,000,000 pounds exported to other countries were exempt from quota restrictions. This condition remains, but provision is made that a supplier may ship the quota of fats and oils he is allowed, even if they are incorporated in finished products. Permission to ship such products may be granted only when export licenses are issued by the Board of Economic Warfare.

The amended order also makes clear that fats and oils used in the manufacture of nondetergent soaps are exempt from quota restrictions. This was done because practically all such soap is used for necessary industrial purposes. Previously the order provided that a manufacturer of soap could use 88 percent of his base period consumption of primary fats and oils, and 150 percent when the soap is made from foots produced from domestic vegetable oils or their fatty acids. The amended order carries this a step farther and allows the manufacturer whose quota is based on fats and oils to shift to the use of foots on the same basis as the manufacturer whose quota is based on foots.

In addition, the amendment provides that fats and oils processed by one manufacturer for another under contract shall not be chargeable to the quota of the processor but to the quota of the owner. Title to the product must remain in the hands of the owner, and the owner must market, invoice, and collect for the product through his own organization.

72d—OPD—Year

Cresylic Acid Imports Allowed Extra Discount

OPD Washington Bureau

An additional commission of 2 percent on the price of cresylic acid paid to British first resellers may be passed along to United States consumers, OPA announced December 18 in amendment 2 to MPR-192 covering imported cresylic acid. The amendment formalized the announcement November 2 that such relief would be granted by OPA. It becomes effective December 24.

Maximum prices set up for cresylic acids in MPR-192 are based on British prices as controlled by the Board of Trade in its order SRO-731, plus charges itemized in MPR-192. If actually incurred, plus a 10-cents-per-gallon markup. One of the itemized charges was a 3-percent commission on the acid as sold naked at works. Such export commissions were recently set at 5 percent by the British authorities, and the OPA action brings its regulations into accord with those of the British and allows American importers to pass along the difference of 2 percent which they have absorbed in their 10-cents-a-gallon margin during the interim between the issuance of the respective orders.

72d—OPD—Year

Alcohol Plant Uniformity Approved for New Construction

OPD Washington Bureau

Members of the Industrial Alcohol Industry Advisory Committee approved plans of the War Production Board for standardizing construction of industrial alcohol plants at a meeting with officials of the Chemicals Division December 16.

It was stated by WPB officials December 18 that several new alcohol plants are to be built, increasing the amount of alcohol available for production of synthetic rubber by a "considerable" amount. Further details on the program must await official announcement expected to be made at an early date.

Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

Government officials are changing their sights on the needs of materials for the war, and the belief is rising that further repression of civilian trade and industry is nearing an end. In effect, officials feel that, so far as they can see into the future now, the wartime structure of the nation has largely been built.

A general readjustment of orders for munitions and other materials of war is taking place. Some contracts are being cancelled outright and others are being revised as to delivery dates and the quantities to be produced. In essence, more careful and methodical planning, born of a year of invaluable experience, is replacing helter-skelter attempts to organize quickly for war, and the theory of maximum production of any and all munitions is being abandoned in favor of emphasis on those materials most needed.

For chemicals the general outlook appears to be that the 1943 requirements will be below those of 1942. This can only be stated generally, however, and no details are available for individual items. WPB officials are saying nothing of the future, but do not deny that adjustments are in sight —downward for many and upward for some of the others, principally chemical specialties.

Totaquine Dosage

The Food and Drug Administration believes that manufacturers or distributors of totaquine antimalarial remedies should inform consumers how long the contents of the package will last in the treatment of malaria—whether for the full seven-day period or for some shorter period. Proper treatment of malaria with totaquine calls for doses of 30 grains daily for seven days, FDA says.

The administration admits that it is without authority to force such a step, but, for reasons of economy in view of the shortages of cinchona alkaloids, considers it a matter that should be given serious consideration by the marketers of the product. For patients to take the remedy, only to find that the doses were not sufficiently strong to effect the cure, would only be wasting the product.

Thus far manufacturers have indicated a willingness to go along on the idea, although some are a little dubious about how it might affect sales in the South, where the people have been used to buying quinine in small quantities.

No Biologicals in Syringes

The syringe type package for biologicals is the latest war casualty. After the present stock of serums, vaccines, and intitoxins packaged in single doses with syringes and needles enclosed runs out there won't be anymore, says WPB, because it is going to give priority assistance in the future for the syringes and needles.

The decision won't arouse any complaint from biological producers, however. Rather they have been looking forward to such a step by WPB for some time. Carson P. Frailey, Washington representative of the American Drug Manufacturers Association, says that biological producers have seen the possibilities of saving on materials in this directon and are glad WPB has recognized its importance.

Specificity in Price Ceilings

The current aim of OPA is to remove as many commodity prices from GMPR as possible and place them under specific ceilings. Both industry and OPA will benefit from the move. Industries will have something more exact to follow in establishment of prices, and OPA regional officers will be better able to help the businessman in answering his many questions.

But it's not to be expected that shifting of the commodities from GMPR can be accomplished without extensive studies, which means more questionnaires and reports to be filed with OPA by industries as their particular products are considered for special treatment.

To attempt the job of establishing new price ceilings without adequate information on the commodity will do more harm than good. But, mindful of the criticism of too many questionnaires, OPA promises to go as easy as possible, but says that if an an industry wants its product placed under a specific ceiling it must expect OPA to ask for some information about the commodity.

Uniformity in Categories

The government's system of community classifications is being overhauled at the behest of WPB so as to set up a single system that will be standard for all agencies in the identification of commodities. WPB has found that the present condition of different departments having different systems of identification is too confusing, not only to manufacturers and others, but even in its own work.

The new list setup will employ a "horizontal" type of classification consisting of four parts:—(1) Raw materials, (2) basic materials, (3) end products, and (4) supplementary items. The raw materials would include crude materials of extractive industries; basic materials are those to be used in further manufacturing and in construction; and end products are finished manufactures ready for use.

To illustrate the "horizontal" aspects of the system cotton and cotton manufacturers can be cited as an example: raw cotton would be classified in part 1, cotton goods in part 2, and cotton wearing apparel in part 3.

It's a Universal Habit

And speaking of extensive questionnaires: the Joint Committee on Reduction of Nonessential Expenditures in the Government might take a look at its own activities, say the bureaus and agencies which have been under attack.

The committee calmly sent out a questionnaire last Armistice Day, just before the storm on questionnaires broke, to find out why there are almost as many civilian government employees as there are men in the armed forces. It asked some thirteen basic questions and an extra twenty subquestions.

In fact, the agencies complain, it took so much time to answer the committee's queries that they began running behind in sending out their own questionnaires.

Ceiling the Big Stores

OPA is going after violators of its price orders in the big department store field, something it hasn't attempted to do heretofore. Court actions have been brought against two such stores located within only a few blocks of OPA headquarters here and more such actions will be forthcoming.

There is little reason to doubt that the department store is one type of business establishment that has been up against it in trying to conform to price ceiling rules. By the very nature of their operations the stores are not concerned with a few price orders but by literally scores of such orders and interpretations, for example, how does a "gift" cosmetic set differ from a cosmetic set? or what is a traveling bag? or what is the ceiling price of a product differing in quality from that sold during the March base period?

One of the stores complains that it has spent over $40,000 in salaries of attorneys and clerk hire just to keep up with interpretations and fill out questionnaires and reports. It has already accumulated three volumes of rules and regulations totaling some 11,250,000 words of fine print.

—*Continued on page* 37

A.M.A. 'Trust' Appeal Heard

OPD Washington Bureau

The Supreme Court of the United States heard arguments December 14 on the appeal of the American Medical Association and the Medical Society of the District of Columbia from a decision of the United States District Court for the District of Columbia holding them in violation of the antitrust laws for activities against the Group Health Association, a cooperative organization of government employees.

Assistant Attorney General Thurman Arnold, who argued the case for the government, told the court that the defendants have been properly convicted by the lower court because members of the association and the society are no longer engaging in professional activities "when they descend to the market place and attempt to bolster up their income by boycotting competitors."

He made his statement in opposition to contentions of opposing counsel, William E. Leahy, representing the association, that the practicing of medicine is a profession and hence it could not be prosecuted for the activities complained of under the Sherman antitrust act.

72d—OPD—Year

F.T.C. Authority On Labels Tested

OPD Washington Bureau

A petition was filed in the United States District Court for the District of Columbia December 14 by Miles Laboratories, Inc., Elkhart, Ind., for a declaratory judgment on the authority of the Federal Trade Commission to regulate the labeling of drug products and to require manufacturers to state in their advertisements that the drug may be dangerous to health.

The case arose out of a notice served on the company by the commission November 17 that its packages, labels and advertising matter relating to "Dr. Miles' Nervine," "Dr. Miles' Nervine Tablets" and "Dr. Miles' Anti-Pain Pills" failed adequately to reveal the potential danger to health that might result from the excessive use of these products.

The case is considered of major importance as a test of the scope of au-

—*Continued on page* 50

72d—OPD—Year

Soap Makers Fined $60,000 in Trust Case

Three of the largest soap and soap products manufacturing concerns in the United States and the president of each were fined $10,000 each, December 17, by Judge Guy L. Fake in the Federal district court, in Newark, when they entered pleas of nolo contendere to charges of price fixing.

The defendants were:—

Procter & Gamble Company, and Richard R. Deupres, president, Cincinnati; Colgate-Palmolive-Peet Company, Jersey City, and it's president, E. H. Little, Orange, N. J., and Lever Brothers Company, Cambridge, Mass., and its president, Francis H. Countway, Brookline, Mass.

The department of Justice filed a criminal information charging that the companies fixed prices by setting the terms, discounts and conditions of sale,

72d—OPD—Year

Quebracho Cartel Charges Denied

Five American corporations and three individuals pleaded not guilty December 10 in Federal court to an indictment charging them with illegal participation in an international cartel which fixed the price and restrained the importation from Argentina and Paraguay of quebracho.

The innocent pleas were submitted by the Tannin Corporation, this city; Carl B. Ely, president, and C. J. Vermilye, vice-president; Tannin Products Corporation, this city, International Products Corporation, this city, Tanners Trading Corporation, Buenos Aires, and the Proctor Ellison Company, Boston, and its buyer, Thomas M. Whitman.

ODT Revises Order on Empties

OPD Washington Bureau

General order ODT 7—revised, issued effective December 12, requires that both loaded and empty cars in Eastern service move almost exclusively in symbol trains, operated on through schedules and ODT—specified through routes. The order is designed to pare the average over-all turnaround time of tank cars in Eastern petroleum service from the present 20 days to 15 days. Average round-trip distance traveled by the cars moving this traffic is approximately 3,600 miles. To effect this improvement in operating efficiency the ODT through the order will take these steps, in addition to confining the traffic to symbol trains:

1. Limit shippers and receivers of the traffic to four hours for loading and un-

—*Continued on page* 58

72d—OPD—Year

Import Control Tightened by WPB

OPD Washington Bureau

In a move designed to tighten import control of strategic materials, the War Production Board has announced a revision of the general imports order, M-63, effective December 28. The revised order eliminates the exemption in favor of importations of list I and II materials under existing contracts. Previously, shipments on contracts which were already in existence on the date of inclusion of a commodity on list I or II were permitted without specific WPB authori-

—*Continued on page* 32.

72d—OPD—Year

Imports Sales Price Policy Set

The Office of Price Administration last week revised supplement No. 12 to the General Maximum Price Regulation, dealing with commodities and services. The revision, in part, reads:—

Sales or deliveries of imported commodities to industrial users or intermediate distributors, (a) Sales or deliveries of any commodity which was imported after March 31, 1942, by an importer, other than the United States or any agency thereof, or such other government or agency thereof, as described in No. 1499.1404 (b), to an intermediate distributor or industrial user, and sales or deliveries of such a commodity by an intermediate distributor to an industrial user, may be made at a price higher than the maximum price established by the General Maximum Price Regulation subject to the following limitation:

The higher price charged by the intermediate distributor shall not exceed

—*Continued on page* 61

Enamel Coatings on Containers Allowed

OPD Washington Bureau

Conservation orders M-108, M-116 and M-158, governing the use of can enamel, closure enamel and drum exterior coatings, were revoked December 17 by order of the Director General for Operations. These orders restricted the use of the following materials, which are all governed by allocation orders:—Tung oil, oiticicia oil, castor oil, phenolic resins, paraphenol resins, alkyd resins, vinyl resins, ethyl cellulose and nitrocellulose.

The only other materials affected by the three revoked orders were perilla oil, never extensively used in coatings, and practically unavailable; urea and melamine resins, not controlled by allocation because they are not yet sufficiently critical, and natural resins (fossil gums) which are subject to conservation order M-56.

SOLVENT PROPERTIES

OF 1- AND 2-NITROPROPANE

May answer your extraction, purification, or coating problems

For some of the substances listed below, 1- and 2-Nitropropane are the most powerful solvents known. For others, the Nitropropanes are the *only* mild-odored, medium-boiling solvents. Comparisons of soluble and insoluble substances may indicate how the Nitropropanes can be helpful in your purification and extraction processes. A more complete table of solubilities appears in the Nitroparaffin Booklet. Send for a copy today.

SUBSTANCES SOLUBLE IN THE NITROPROPANES

KEY: SA—soluble in the presence of small proportions of alcohols
SS—soluble but less than 10 gm/100 ml
Note: Unkeyed substances soluble to the extent of at least 10 gm/100 ml

SYNTHETIC RESINS

Aroclor 4465
Aroclor 5460
Bakelite XR-9366
Beckacite 1000
Beckacite 1112
Cumar
Durez 500
Ester gum
Glyptal 2471
Paraplex 5B
Rezyl 14
Santolite MH
Teglac 65

OILS AND FATS

Castor oil
Cocoanut oil
Kerosene
Lanolin (SS)
Pine oil
Soya bean oil

ORGANIC CHEMICALS

Acetone
Acrylonitrile
Benzaldehyde
Benzol
Benzoyl chloride
Butanol
Butyl Acetate
Camphor
Chloroform
Dibutyl Phthalate
Diethylene glycol
Ethyl Acetate
Ethyl Alcohol
Ethylene chlorohydrin
Glycerol
Isobornyl acetate
Lauric acid
Maleic anhydride
Naphthalene

ORGANIC CHEMICALS (contd)

Oleic acid
Salicylic acid
Terpineol
Toluol
Triphenyl phosphate

COATING MATERIALS

Acryloid C-10
Benzyl cellulose
Cellulose acetate (SA)
Cellulose acetobutyrate
Cellulose acetopropionate
Cellulose triacetate
Ethyl cellulose
Hycar OR
Nitrocellulose
Uformite
Vinylite VYHH

SUBSTANCES INSOLUBLE IN THE NITROPROPANES

ORGANIC CHEMICALS

Adipic acid
Aluminum stearate
Citric acid
Ethylene glycol
Fumaric acid
Glycine
Hydroquinone
Maleic acid
Oxalic acid
Sebacic acid

ORGANIC CHEMICALS (contd)

Stearic acid
Succinic acid
Sucrose
Tannic acid
Tartaric acid
Urea
Zinc stearate

COATING MATERIALS

Butyl rubber
Casein

COATING MATERIALS (contd)

Dextrin
Gelatin
Neoprene
Vinylite VYNW
Zein

WAXES

Beeswax
Candelilla
Montan
Paraffin

COMMERCIAL SOLVENTS
Corporation
17 EAST 42ND STREET, NEW YORK, N. Y.

Argentine Tariff Pact Effective January 8

A supplement proclamation to the effect that the trade agreement (tariff bargain) between the United States and Argentina, signed at Buenos Aires October 14, 1941, will enter definitely into effort January 8 was issued December 12 by President Roosevelt, the Department of State announces.

Pursuant to a provision in the agreement it entered provisionally into force November 15, 1941. Pursuant to a further provision in the agreement it will enter definitely into force thirty days following the exchange of the President's proclamation of the agreement and the instrument of ratification of the government of Argentina. The government of Argentina ratified the agreement August 27, 1942, and the United States ratification took place at Washington December 9, 1942.

72d—OPD—Year

Patch Co. Appoints Lawson General Manager

Fred A. Lawson has been appointed general manager of the E. L. Patch Company, pharmaceutical manufac-

Fred A. Lawson

turer, Boston. Edgar L. Patch has been named assistant general manager. Mr. Lawson succeeds Lt. Col.

—*Continued on page* 50

72d—OPD—Year

Cottonseed, Peanut Oils Export Ban Asked

Permits for commercial export of cottonseed oil and peanut oil should be denied, and export of lard restricted to half of the total exports of fats and oils, members of the Edible Oil Refining Industry Advisory Committee, Chemicals Division, recommended at a recent meeting held in Washington.

The recommendation followed discussion of the report of a subcommittee appointed to study commercial exports of fats and oils. The sub-

—*Continued on page* 45

72d—OPD—Year

Chickory Prices Ceiled

Cents-per-pound ceiling prices for roasted chickory were set at the processor level by OPA December 18. The new maximums, effective December 24, are 8.35 cents to 8.50 cents per pound in bulk, f.o.b. port Huron, Mich., and 9.50 cents f.o.b. New Orleans. The ceilings vary according to the seller's annual volume over or under 4,000,000 pounds.

The price adjustment applies only to roasted chickory manufactured from green root grown and harvested after 1941, chickory processed from crops of prior years must be sold at the old maximum prices. No change is made in retail chickory prices. OPA said that the 1942 crop was normal in size and because of the difficulty in securing sufficient labor in the producing area, it is anticipated that future crops will be no larger.

Essential Oils Production In the Western Hemisphere

By Ernest S. Guenther, Ph.D.

Vice-President and Chief Research Chemist for Fritzsche Brothers, Inc.

Contribution to Third Mid-American Chemurgic Conference, Cincinnati November 17 1942.

Essential oils are composed of complicated mixtures of terpene derivatives which make plants, or parts of plants, aromatic. Essential oils are also called volatile oils because, unlike fatty oils (coconut, linseed, sesame, etc.), they evaporate at ordinary temperature. The pronounced proper odor of essential oils is probably a function of their rate of evaporation.

The designation, "essential," very likely originates from the French term, "essence," and is quite appropriate, insofar as these oils are important constituents in many products of our daily lives. Each day we utilize a great variety of essential oils, for instance, in pharmaceutical preparations; food products, such as, meats, sausages, canned goods, bakery products, confectionery; furthermore in beverages, alcoholic and nonalcoholic, soaps, disinfectants, roomsprays, cosmetic articles, and perfumes. The figures of the essential oil trade itself may appear not very significant, but the fact remains that many industries depend upon essential oils for odor and flavor of their products, not to speak of the medicinally active principles. The soap and cosmetic industries alone show a yearly turnover of several billion dollars which figures, however, must be tremendously increased if we include the more vital pharmaceutical, food, and beverage industries. Hundreds of thousands, if not millions, of people depend for their livelihood upon the manufacturing, advertising, wholesale and retail distributing of these products, most of them necessities, a few luxuries.

The production of essential oils must be carried out according to the condition in which the oil occurs in the plants. If the oil is contained ready-formed and in large amounts, it can be extracted by the simple method of pressing. A single experiment illustrates this condition:—

Take the peel of an orange or lemon and squeeze it against the light of a match. The fine spray of oil expressed from the peel is ignited by the flame and burns explosively, thus demonstrating the presence of such a large amount of oil that it can be liberated by simple pressure causing rupture of the cell walls. The process of extracting citrous oils (orange, lemon, lime, grapefruit, mandarin, and bergamot) is based upon this principle. In a primitive way the process is carried out by simple handpressing, while in technically advanced countries machines are employed.

In most instances, the essential oil occurs in the plants in such minute amounts that pressing gives no results. These oils are obtained by distillation. Most of you are familiar with the principles of distillation. The plant material is charged into a still; water is added and brought to a boil. The steam breaks the walls of the oil-containing cells, liberates the oil, and carries it over as vapor into the condenser where steam and oil vapors are reliquefied by cooling and collected in a so-called "Florentine" flask. Not being miscible, the two layers of oil and water can be drawn off separately.

Distillation is a simple and ancient method and today the bulk of essential oils is produced by distillation. In many instances, distillation is carried out in rather primitive migratory stills set up in remote growing regions. It is also undertaken in the large and modern factories of Europe and the United States which process plant material grown nearby or imported from abroad.

Two Basic Principles

The entire production of essential oils can thus be classified according to two principles:—

(1) In most instances the aromatic plants grow wild or are cultivated as garden crops by natives. Raising the plants and distilling the oil represents a primitive family industry based upon cheap labor, without cost calculation. The natives produce small quantities of oil according to primitive methods and sell it through a network of field brokers to village buyers until the oils finally reach the exporters in the shipping ports. The price of such oils depends upon the market which, in turn, is influenced by supply and demand. The natives are usually well aware of the prevailing quotations and prefer to stock up their output rather than sell it at unattractive prices. Modern methods of production can hardly compete with this primitive industry because it is hard to undersell the natives who never consider their own and their families' labor. An outstanding characteristic of native production is the fact that they usually produce only one or two oils.

(2) Advanced processing methods, based upon modern agriculture and engineering, try to compete with low-priced labor by mass production. The oils obtained in these essential oil factories are of superior quality but the operating expenses are usually high; many factors, such as a higher standard of living and wages, salaries of directors, taxes and general overhead expenses, increase the cost of production. A modern factory, trying to specialize in the production of one yearly crop can hardly survive under these conditions; operation is profitable only if a variety of products can be processed, thus keeping the enterprise busy all year around.

Such an organization has to produce several oils, the plants of which are grown in the neighborhood. In other words, a factory of that type would have to be located in the center of large plantations connected with good roads, and would require almost ideal conditions of soil, climate, and altitude, permitting the growth of many aromatic plants. Theoretically, this is the ideal solution for our industry, but it involves heavy initial expenses.

Modernized Production

Today most essential oils are produced on the basis of a primitive family industry flourishing in many corners of far-off countries and only in a few instances have we succeeded in placing production on a modern agricultural and technical basis. Oil of sweet orange offers probably the best example in this respect. Until about twenty years ago, the oil was produced exclusively in Sicily by countless small peasant growers who raised the fruit in their own orchards and extracted the oil by simple handpressing. About 1928 the highlands of French Guinea in West Africa started to produce this oil even cheaper because hand labor in Africa was still lower priced than that of Sicily. A number of years ago, California and more recently Florida, commenced to manufacture oil of orange and lemon according to modern methods of engineering. This was possible because California and Florida possess a network of good roads permitting transport of the fruit from widely scattered regions to centrally located processing plants. Today the United States is independent in regard to oil of lemon and, to a certain extent in regard to oil of sweet orange.

The same development took place in regard to the production of oil of peppermint and oil of dillweed. Many years past oil of peppermint was produced in Russia, England, Germany, and Italy on a rather small basis, but for quite some time the United States has been a very heavy producer of a high-grade oil of peppermint which, before the present war, has even been exported to Europe. Oil of dillweed used to be produced in Eng'and, Ger-

—*Continued on page* 56

Alcohol Production Increase Planned

OPD Washington Bureau

A three-way program in which the Commodity Credit Corporation, flour millers, and distillers will cooperate to increase the production of industrial alcohol for war uses was announced December 17 by the Department of Agriculture.

Government-owned wheat will be sold to flour millers for manufacture into granular flour (a free-flouring, hard wheat flour) for sale to distillers. Preliminary experiments show that granular flour yields more alcohol than either corn or corn-wheat mixtures; also, production of granular flour will utilize grinding facilities of millers instead of requiring new installations by distillers. Officials expect that as much as 50,000,000 bushels of government-owned wheat—possibly more—may be used in this

—*Continued on page* 58

72d—OPD—Year

OPA Sets $35 Ceiling On Reconditioned Drums

A maximum price of $35 each was established December 14 for reconditioned 55-gallon stainless steel drums which manufacturers can no longer use because of war regulations. The ceiling was fixed by the Office of Price Administration at the request of the Coca-Cola Company, Atlanta, Ga., which owns 60,263 of the specially constructed containers, originally costing in excess of $2,000,000. The OPA action is contained in amendment No. 1 to Revised Price Schedule No. 43—and becomes effective December 19.

The use of stainless steel drums for shipment of Coca-Cola syrup is forbidden by War Production Board limitation order L-197. They are made of 16-gauge steel with 18 percent chrome and 8 percent nickel alloy. Originally the drums cost from $33.75 to $50 and the prevailing price for new

—*Continued on page* 58

72d—OPD—Year

Fibre Tubes, Cans Put Under No. 187

In order to remove inequities existing between certain producers, fibre tubes and cans, on December 18, were placed under the paperboard products regulation by the Office of Price Administration.

The action was taken in amendment No. 2 to maximum price regulation No. 187 effective December 23. Before the amendment was issued prices for these products had been governed by the general maximum price regulation.

In February, 1942, a substantial portion of the manufacturers of fibre tubes and cans and similar products, at the request of OPA, signed an agreement not to increase prices above those charged in October, 1941. Later, when the general regulation went into effect in April, the ceiling prices of

—*Continued on page* 50

72d—OPD—Year

R.R. Rate Increase Protest Denial Asked

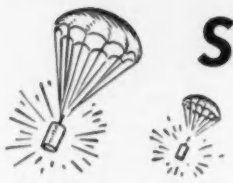
OPD Washington Bureau

The Interstate Commerce Commission was asked by the Class I railroads December 15 to deny the request of the Office of Price Administration, Economic Stabilization Board and the Department of Agriculture that the increased freight rates granted the carriers earlier this year be rescinded.

The carriers said that approval of the request would have the effect of reducing rates below the September 15 level which is the date generally used in stabilizing other prices and wages in spite of the fact that there is no known effort being made to bring about a similar reduction in costs of labor and materials used by the railroads.

They added that the current earnings seemed large only by contrast with the low level of the depression decade and are no more than is necessary to enable them to keep on doing their indispensable job in the war.

—*Continued on page* 38



Six metal containers dropped into the night

AS THE BOMBING PLANE roared over its objective, six parachute flares were dropped into the night.

Seconds later the target below stood forth . . . bathed in brilliant light.

Great quantities of these flares are required to assure accurate bombing. *And each one is packed in a sturdy metal container.* Parachute flares are merely one example of Canco containers in actua l combat . . . another reason why many of you must do without metal containers now.

Other examples include:

Fuse Containers—*hermetically sealed key-opening cans to protect delicate fuses until they are ready for use.*

Emergency Water Containers—*for supplying sterile water used in washing and irrigating wounds.*

Portable Blood Bank Containers—*they protect blood-plasma kits to be used in giving life-saving transfusions in the field.*

Anti-Aircraft Gun Motor Containers—*especially designed to protect delicate motors when not in use.*

Metal First Aid Kits—*hermetically sealed against bacteria and poison gas.*

And numerous others.

We are also producing tremendous quantities of containers for essential foods for the armed forces . . . for the home front, too.

In addition, American Can Company machine shops are devoting a large part of their facilities to the production of specified tools and weapons of war.

These are a few of the reasons why metal containers are not available for some products today . . . reasons why many of you have been forced to adopt substitute packages for the duration.

We are fully aware of the problems you face and are doing everything possible to perfect the manufacture of substitute containers from available materials. Our research efforts are being redoubled to make such containers available for many products in the near future.

American Can Company
230 Park Avenue, New York

Current Market Quotations Chemicals and Related Materials

December 18, 1942

Unless otherwise indicated, quotations are first-hands on large lots, f.o.b. New York. Price changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4.

All matter under this heading fully protected by copyright

A

Acacia (see Gum, arabic).
Acetaldehyde, 99%, dms., 55 and 110 gls., works..lb. .11 - —
5 and 10 gls., works.....lb. .14 - —
Acetaldol (see Aldol).
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
500-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots..lb. .36 - —
smaller lots.....lb. .37 - —
dms., 25-lb. lots.....lb. .42 - —
kgs., 2,000-lb. lots.....lb. .37 - —
smaller lots.....lb. .38 - —
powd., bbls., 2,000-lb. lots..lb. .34 - —
smaller lots.....lb. .35 - —
dms., 25-lb. lots.....lb. .40 - —
kgs., 2,000-lb. lots.....lb. .35 - —
Acetoacetanilide, bbls., fib. dms., 75-lb. lots..lb. .49 - —
smaller lots.....lb. .67 - —
Acetone, CP,[1] dms., c.l., dlvd. E.* lb. .08¾- —
l.c.l., dlvd.....lb. .09 - —
tanks, dlvd.....lb. .07 - —

* OPA ceiling for Eastern territory (the State of New Mexico, Colorado, Wyoming, Montana and all States east thereof); ceilings ½c. per lb. higher for Western territory (all other States of the United States).

Acetonitrile, dms., works.....lb. 1.00 - 2.00

Methyl (see M).
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
dms., 50 lbs.....lb. 1.08 - —
25 lbs.....lb. 1.10 - —
Acetophenone, cns., dms.....lb. 1.55 - 1.60
Acetyl chloride, cbys., works..lb. .60 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S.D., Tex. E. of Austin and Brownsville..lb. .08¾- —
Acetic,[1] com'l or redist., 28%, bbls..100 lbs. 3.38 - 3.63
cbys., cs.....100 lbs. 3.88 - 4.13
50%, bbls.....100 lbs. 5.58 - 5.83
cbys., cs.....100 lbs. 6.08 - 6.58
70%, bbls.....100 lbs. 6.68 - 6.98
cby., cs.....100 lbs. 7.18 - 7.48
80%, bbls.....100 lbs. 7.47 - 7.72
cbys., cs.....100 lbs. 7.97 - 8.12
glacial, nat., C.P., cbys.....100 lbs. 13.50 -13.75
95.5%, bbls.....100 lbs. 9.15 - 9.40
cbys. .....100 lbs. 9.65 - 9.90
tanks, works.....100 lbs. 6.93 - —
U.S.P., cbys.....100 lbs. 11.70 - —
synth., C.P., dms., works..100 lbs. 13.50 -13.75
95.5%, bbls., c.l., works...100 lbs. 9.15 - 9.40
tanks, works.....100 lbs. 6.25 - 6.93
U.S.P. XI, al. dms., works 100 lbs. 10.95 -11.20
pure, 30%, bbls.....100 lbs. 4.44 - 4.69
cbys., cs.....100 lbs. 4.94 - 5.19
36%, bbls.....100 lbs. 4.86 - 5.11
cbys., cs.....100 lbs. 5.36 - 5.61
60%, bbls.....100 lbs. 7.60 - 7.85
cbys., cs.....100 lbs. 8.10 - 8.35
80%, bbls.....100 lbs. 9.26 - 9.51
cbys., cs.....100 lbs. 9.76 -10.01

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply delivered within the Metropolitan zones unless otherwise indicated in the above prices.

Acetic, anhydride,[4] dms., c.l., frt. alld..lb. .11¼- —
l.c.l., dms., frt. alld.....lb. .13 - —
Acetylsalicylic,[1] producers, primary jobbers, special, USP, 200-lb. bbls., f.o.b. shipment point*..lb. .45 - —
100-lb. kgs., same basis. lb. .45 - —
25-lb. dms., same basis. lb. .46 - —
5-lb. ctns., same basis. lb. .59 - —
†1-lb. ctns., same basis. lb. .61 - —
Standard USP, fine cryst., gran. (20-40 mesh), powd. (50 mesh), 200-lb. bbls., same basis..lb. .49 - —
100-lb. kgs., same basis. lb. .49 - —
25-lb. dms., same basis. lb. .41 - —
5-lb. ctns., same basis. lb. .54 - —
1-lb. ctns.,† same basis. lb. .56 - —

*Freight equaled, shipment identical quantity, over standard routes, from N. Y. City, Phila., Midland, Mich.; Chicago, and St. Louis.
†3c. per lb. may be added for acid packaged in canisters, and 8c. per lb. when packaged in 1-lb. bots.

Adipic, fib., dms., works....lb. .31 - —
Anthranilic, resub., bbls.....lb. 1.20 - 1.25
tech., bbls.....lb. .95 - —
Arsenous[4] tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .20 - .22
Ascorbic,[1,6] bots., dms.....lb. 1.00 - 1.07
Acid, battery, cbys., c.l., E. works..100 lbs. 1.60 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more. lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 .57
900 lbs. or less.....lb. .59 - .60
Boric,[3] tech., 99.5%, cryst. (same as prices for powder). gran., bgs., c.l., frt. alld., ton.99.00 - —
ton lots, ex whse....ton.111.00 - —
less than ton lots, ex whse..ton.116.00 - —
bbls., c.l., frt. alld....ton.109.00 - —
ton lots, ex whse....ton.121.00 - —
less than ton lots, ex whse..ton.126.00 - —
bulk, frt. alld.....ton.95.50 - —
powd., bgs., c.l., frt. alld. ton.104.00 - —
ton lots, ex whse....ton.116.00 - —
less than ton lots, ex whse..ton.121.00 - —
bbls., c.l., frt. alld...ton.114.00 - —
ton lots, ex whse...ton.126.00 - —
less than ton lots, ex whse..ton.131.00 - —
USP $25 per ton higher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Cacodylic, 5-lb. bots.....lb. 22.00 - —
Camphoric, cns.....lb. 6.95 - 7.00
Capric, dms.....lb. .21½ Nom.
Caprylic, dms.....lb. .27 - .27½
Castor oil,[3] split, dms.....lb. .20¾- .21¼
Chlorosulphonic, dms., c.l., wks. lb. .03 - —
5-drum lots, works.....lb. .03½- —
single drums.....lb. .04½- —
tanks, works.....lb. .02½- —
Chromic,[3,5] 99½-99¾%, dms., c.l., dlvd. N.Y..lb. .16¼- —
l.c.l., 5 tons, dlvd. N. Y. lb. .16¾- —
smaller quantities, dlvd. N.Y..lb. .17¼- .18¼
Cinnamic, refd., bots.....lb. 3.50 Nom.
Citric,[1] cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one ship. lb. .20½- —
200-10,000 lbs.....lb. .21 - —
100 lbs., dms., or kgs..lb. .21½- —
50 lbs., dms., or ctns..lb. .23 - —
25 lbs., dms., or ctns..lb. .24 - —
5 lbs., in 5-lb. cont....lb. .29 - —
anhyd., gran., dms., c.l. lb. 10,000 lbs., one shipment. lb. .22½- —
.23 - —
smaller lots.....lb. .23½- .26½

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N.Y. Chicago and St. Louis deliveries are ½c. higher than N.Y.

Cleve's, bbls.....lb. .65 - —
Coconut oil,[3] dist., dms.....lb. .18¼ Nom.
Cottonseed oil,[3] dist., dms...lb. .14 - .14½
tanks .....lb. .13½- —
Cresylic (coaltar),[3] high-boil 50%, 210°-215°), dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis..gal. .83 - —
tanks .....gal. .75 - —
special blends (50%, 210°-215°), dms., c.l., works, frt. equald—gal. .81 - —
l.c.l., same basis.....gal. .83 - —
tanks .....gal. .75 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .81 - —
l.c.l., same basis...gal. .83 - —
tanks .....gal. .75 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equald—gal. .81 - —
l.c.l., same basis...gal. .83 - —
tanks .....gal. .75 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10¼- —
l.c.l., 25 cbys. and over. lb. .11 - —
1-24 cbys.....lb. .11½- —
Fumaric, tech., special, bbls., ton lots..lb. .27 - —
smaller lots, bbls., dms...lb. .28 - .31
Gallic, NF VI, bbls., 200 lbs., 5 or more..lb. 1.27 - —
less than 5.....lb. 1.30 - —
fib. dms., 25 lbs.....lb. 1.34 - —
technical, bbls.....lb. 1.05 - 1.13
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs.....lb. .15 - —
25 or 50-lb. demij.....lb. .21 - .23
5-lb. bots.....lb. .29 - —
H, bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, dilute, 10%, cbys., lb. .20 - —
concentrated, 34%, cbys....lb. .35 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Acid, hydrofluoric, 30%, lead cbys., frt. all'd..lb. .09 - —
rubber dms., same basis..lb. .08 - —
wooden bbls., same basis..lb. .06 - —
48%, lead cbys., same basis..lb. .12 - —
rubber dms., same basis..lb. .11 - —
52%, lead cbys., same basis..lb. .13 - —
rubber dms., same basis..lb. .12 - —
60%, lead cbys., same basis..lb. .14 - .16½
rubber dms., same basis..lb. .13 - .16½
steel dms., same basis..lb. .13 - —
Hydrofluosilicic, 30-35%, 420 lbs., bbls..lb. .08 - .09
Hypophosphorous, USP, 30%, djns..lb. .75 - .80
Lactic, edible, 50%, cbys., 20 or more..lb. .12½- —
5 to 19.....lb. .13 - —
1 to 4.....lb. .13½- —
80%, bbls., cbys., 5 or more. lb. .24¼- —
1 to 4.....lb. .24¾- —
plastic grade, bbls., cbys., 20 or more..lb. .14¼- —
5 to 10 cbys.....lb. .14¾- —
1 to 4 cbys.....lb. .15¼- —
tech., dark, 22%, bbls., c.l., works..100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.15 - —
cbys., works.....100 lbs. 4.15 - —
44%, bbls., c.l., works.... 100 lbs. 6.30 - —
l.c.l., bbls., works.... 100 lbs. 6.55 - —
cbys., works.....100 lbs. 7.55 - —
light, 22%, bbls., c.l., works. 100 lbs. 3.90 - —
l.c.l., works....100 lbs. 4.15 - —
cbys., works.....100 lbs. 5.15 - —
44%, bbls., c.l., works.... 100 lbs. 7.30 - —
l.c.l., works.....100 lbs. 7.55 - —
cbys., works.....100 lbs. 8.55 - —
USP XI, 85%, cbys.....lb. .54 - .57
USP VIII, 75%, cbys.....lb. .52 - .55
Lauric, dist., tech., dms.....lb. .20 Nom.
Laurent's, bbls.....lb. .45 - —
Linseed oil,[3] light, dms.....lb. .19 - .19¼
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l. .....lb. .26 - —
Malic, powd., kgs.....lb. .47 - —
Mandelic, dms., 1,000 lbs.....lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.30
Mixed, tanks, nitric unit.....lb. .05 - .06
sulphuric unit.....lb. .0095- .009
Molybdic, kgs., works.....lb. .95 - 1.10
Monochloroacetic, tech., bbls.lb. .17 - —
purified, bbls.....lb. .20 - —
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E., works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works.... 100 lbs. 1.75 - —
l.c.l., 25 and over, works. 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works.... 100 lbs. 2.25 - —
l.c.l., 25 and over, works. 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
CP, dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
consumers, cbys.....lb. .06 - —
6-lb. bots.....lb. .19 - —
Myristic, dist., dms.....lb. .19 - .19½
Naphthenic,[6] 220-230 acidity, dms., c.l., works..lb. .13 - .14
l.c.l., works.....lb. .13 - .15
tanks, works.....lb. .10 - .13
235-245 acidity, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .15 - —
tanks, c.l., works.....lb. .13 - —
Nicotinic, 1,000-lb. lots, fib. dms. lb. 5.00 - —
100-lb. fib. dms.....lb. 5.15 - —
50-lb. fib. dms.....lb. 5.25 - —
25-lb. fib. dms.....lb. 5.30 - —
5-lb. tins.....lb. 5.46 - —
1-lb. bots.....lb. 5.50 - —
Nicotinic, amide, 25-lb. lots..lb. 9.00 - —
smaller lots.....lb. 9.10 - 9.14
Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works.... 100 lbs. 5.50 - —
Western, works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works 100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works.... 100 lbs. 6.00 - —
l.c.l., 25 and over, E.works. 100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9 works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works.... 100 lbs. 6.50 - —
l.c.l., 25 and over, works. 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
CP, USP, dealers, cbys.....lb. .11½- —
7-lb. bots.....lb. .21½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .23 - —
Oleic (see Oil, red).
Oleum (see Sulphuric fuming).
Oxalic,[1] dom., bbls., c.l., works. lb. .11¼- —
900 lbs. or over.....lb. .11½- —
smaller quantities...lb. .12½- —
Palm oil,[6] white dist., dms...lb. .13 - .13½
tanks .....lb. .12½- —
Paraminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Phenylacetic, bots.....lb. 1.85 - 1.90
Phosporic, pure food grade, 50%, c.l., bbls., works, frt. equald..100 lbs. 4.00 - 4.25
cbys., works, frt. equald.. 100 lbs. 4.35 - 4.60
l.c.l., 10 or more, works, frt. alld..100 lbs. 5.25 - 6.25
1 to 9, cbys., works, frt. alld..100 lbs. 6.25 - 7.25
Acid, phosphoric, pure food, grade, tankwagon, dlvd., N. Y., Phila., Met area, 100 lbs. 4.00 - —
75%, c.l., bbls., works, frt. equald..100 lbs. 4.75 - 5.00
cbys., works, frt. equald.. 100 lbs. 5.10 - 5.35
l.c.l., 10 or more, works, frt. alld..100 lbs. 7.00 - 8.50
1 to 9, cbys., works, frt. alld..100 lbs. 8.00 - 9.50
tankcars, works, frt. equald..100 lbs. 4.00 - 4.25
tankwagons, dlvd., N. Y., Phila., Met. area..100 lbs. 4.75 - —
USP, 180-lb. cbys., c.l. ....lb. .10¼- —
10 cbys., to c.l. .....lb. .11½- —
2 to 9 cbys.....lb. .12 - —
single cbys.....lb. .13 - —
70-lb. cbys.....lb. .10¼- —
25 cbys., to c.l.....lb. .11½- —
5 to 24 cbys.....lb. .12 - —
1 to 4 cbys.....lb. .13 - —
10%, dilut., cbys., djns....lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic, synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.45 - —
cns. .....lb. 1.63 - —
USP, cryst., dms.....lb. 2.10 - 2.15
resub., dms.....lb. 2.60 - 2.65
Pyroligneous, bbls., dlvd. E..gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split), tech., dms., works.....lb. .32 - .37
Salicylic[1] tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, tech., bbls., works..lb. .65 - .68
Soybean oil,[3] dist., dms.....lb. .17¾- .18¼
Stearic,[3] double pressed, bgs., dlvd..lb. .14 - .15
single pressed, bgs., dlvd..lb. .13¼- .14¼
triple pressed, bgs., dlvd..lb. .17 - .18
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.65
tech., dms., works.....lb. .17 - —
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E., works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E., works.....ton.16.50 - —
98°, tonks, works.....ton.17.50 - —
CP, USP, dealers, cbys.....lb. .06½- —
9-lb. bots.....lb. .15½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .17 - —
fuming, 20%, tanks, E. works, ton.19.50 - —
Tannic,[6] tech., bbls., dms...lb. .71 - .73
USP, fluffy, bbls., 1,000-lb. lots..lb. 1.33 - —
100-lb. lots.....lb. 1.35 - —
25-lb. lots.....lb. 1.38 - —
powd., bbls., 1,000 lbs....lb. 1.13 - —
smaller lots.....lb. 1.15 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipt..lb. .70¼- —
smaller quantities.....lb. .71 - —
kgs. .....lb. .71¼- —
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic,[6] CP, 100-lb. pkgs..lb. 2.94 - 3.10
pure, 100-lb. pkgs.....lb. 2.86 - —
Aconite leaves, bls.....lb. 1.40 - 1.45
Root, bls.....lb. 1.85 - 1.90
Aconitine, amorph., bots.....oz. 23.00 -28.00
15-gr. vials.....vial. 1.00 - —
cryst., bots.....oz. 42.00 -48.00
15-gr. vials.....vial. 1.60 - —
Acrylonitrile,[6] dms., frt. alld.lb. .39½- —
5,000 lbs. or more, works..lb. .40 - —
1 ton to 4,999 lbs., works..lb. .40¼- —
1 dm. to 1 ton, works.....lb. .41 - —
tankcars, frt. alld.....lb. .39 - —
Adeps lanae,[1] U.S.P., anhyd., dms..lb. .30 - .32
hyd., dms.....lb. .29 - .33
Agar,[6] Kobe, No. 1, strip.....lb. 3.50 - —
dom., f.o.b. San Diego, Cal..lb. 3.00 - —
Agaric, white, bls.....lb. 3.75 - 4.00
Albumen, blood, dom., dms., f.o.b. Chicago..lb. .65 - .70
soluble, dried, c.l., same basis..lb. .13½- —
bg. lots, same basis.....lb. .15 - .20
imported, bgs.....lb. No prices
Egg, ed., dom., cryst., bbls..lb. 1.75 - 1.76
powd., dms., bbls.....lb. 1.81 - 1.86
tech., cryst., bbls.....lb. 1.60 - 1.65
import, cs.....lb. No prices
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .141 - —
l.c.l., frt. alld.....lb. .151 - —
tanks, frt. alld.....lb. .131 - —
tertiary, refd., dms., l.c.l., frt. alld. E. of Miss. R..lb. .09 - —
Benzyl, cns.....lb. .65 - .75
dms. .....lb. .68 - —

Wartime Status of Materials

Applications of WPB and OPA regulations to materials listed in this section are indicated by superior figures as follows:—

[1]—Price Ceiling
[2]—Price Suggestion or Agreement
[3]—Full Priority Control
[4]—Industry Control
[5]—General Limitation Order
[6]—Allocation

Alcohol, butyl, normal,[1,6] dms., c.l., frt. alld., *East..lb. .11¾- .15¼
l.c.l., frt. alld.....lb. .12¼- .15¾
tanks, frt. alld.....lb. .10¾- .14¼

* The term 'Eastern' territory means the States of New Mexico, Colorado, Wyoming, Montana and all States east thereof, and the term 'Western' territory means all other States of the United States.

secondary,[6] dms., c.l., frt. paid E. of Miss..lb. .091 - —
l.c.l., same terms.....lb. .096 - —
tanks, same terms.....lb. .08½- —
tertiary, denaturing, c.l., dms., lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
Cinnamic, bots.....lb. 3.00 - 3.60
Denatured,[1,3,6] CD14, dms., c.l., dlvd. E..gal. .65 - —
l.c.l., dlvd., dms.....gal. .70 - —
tanks, E., dlvd.....lb. .58 - —

Prices for territories other than E. of Rockies are 5c. per gal. less than Eastern works quotations. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., bbls., c.l., E. works..gal. .64 - —
19 bbls., E. works...gal. .66 - —
1 to 18 bbls., E. works, gal. .69 - —
*dms., c.l., E. works..gal. .56½- —
19 dms., E. works...gal. .58½- —
1-18 dms., E. works.gal. .61½- —
tanks, E. works.....gal. .53 - —

* Prices are dms., extra. Deposit, $5 per dm., returnable for full credit.

Anhydrous 3c. per gal. higher.

SD2B, bbls., c.l., works, E... gal. .61 - —
19 bbls., works, E...gal. .63 - —
1 to 18 bbls., works, E. gal. .66 - —
*dms., c.l., E. works..gal. .53½- —
19 dms., E. works...gal. .55½- —
1-18 dms., E. works.gal. .58½- —
tanks, E., works.....gal. .50 - —

* Prices are dms., extra. Deposit, $5 per dm., returnable for full credit.

SD23G (Replaced by SD23H).
SD28H, works, c.l., bbls. gal. .64½- —
19 bbls.....gal. .66½- —
1 to 18 bbls.....gal. .69½- —
*dms., c.l.c., works...gal. .57 - —
19 dms., E. works..gal. .59 - —
1-18 dms., E. works.gal. .62 - —
tanks, E. works.....gal. .58½- —

*Prices are dms. extra. Deposit, $5 per dm. Returnable for full credit.

SD29, denatured with acetallehyde, bbls., c.l., E. works..gal. .62 - —
l.c.l., 19 or more, E. works..gal. .65½- —
1 to 18, E. works....gal. .68½- —
*dms., c.l., E. works..gal. .54½- —
19 dms., E. works...gal. .58 - —
1-18 dms., E. works.gal. .61 - —
Tanks, E. works.....gal. .51 - —

*Prices are dms. extra. Deposit, $5 per dm. Returnable for full credit.

When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those for SD2B, plus 1½c. per gal. denaturing charge.

Special solvent, dms., c.l., works..gal. .61 - —
20 dms., to c.l.....gal. .63 - —
1 to 9 dms.....gal. .66 - —
tanks, E. works.....gal. .54 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., dlvd..lb. .11½- .14½
l.c.l., dlvd.....lb. .12 - .15
tanks, dlvd.....lb. .10¾- .13½
tech., dms., c.l., dlvd.....lb. .11 - .13½
l.c.l., dlvd.....lb. .11¾- .14
tanks, dlvd.....lb. .10 - .12½
Ethyl, 190 pf., ex. molasses, dms., c.l..gal.11.99 - —
19 dms.....gal.12.02¼- —
5 to 18 dms.....gal.12.05½- —
1 to 4 dms.....gal.12.05¾- —
tanks .....gal.11.92 - —
absolute, dms., c.l.....gal.12.64 - —
5 to 18 dms.....gal.12.70¼- —
1 to 4 dms.....gal.12.70½- —

Ethyl alcohol in bbls. 4c. higher than dms. Grain alcohol is 10c. per gallon more than the above prices on molasses alcohol.

Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .22½- —
l.c.l., 500 lbs. and more, works..lb. .23 - .35
tanks, wks.....lb. .20 - —
Isoamyl (see Carbinol Isobutyl).
Isobutyl, refd., dms., works..lb. .0860- —
tanks, same basis.....lb. .0760- —
Isopropyl,[2,6] refd., 91%, dms., 5 gals., f.o.b. dest..gal. .66½- —
55 gals., c.l., same basis, gal. .39 - —
l.c.l., same basis...gal. .43½- —
tanks, frt. alld.....gal. .34 - —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .44 - —
l.c.l., same basis...gal. .47 - —
tanks, same basis.....gal. .37½- —
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.10 - 2.50
Polyvinyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .60 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works.. gal. .67 - .70
Octyl (see Ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, 8,000 lbs., f.o.b. Waverly, N. Y..lb. .44 - —
475-lb. lots, same basis...lb. .50 - —
car lots, wks.....lb. .40 - —
cns., f.o.b. Cedar Rapids, Ia., lb. .35 - —
Aldehol, denat. grade, dms., tanks, works..gal. .70 - .72
Aldol, 55 and 110-gal. dms., c.l., works..lb. .12 - —
l.c.l., works.....lb. .13 - —
5-10-gal. dms., works...lb. .15 - —
Aletris root, bgs.....lb. .70 - .85
Algin, fib. dms.....lb. 1.00 - 1.25
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. 1.75 - 1.80
Allspice,[1] Mexican, bgs.....lb. .23 - 23½
Alpha tocopherol, ampules, per gram. 1.00 - 1.50
Aloe, Cape, cs.....lb. .15 - .16
Curacao, cs.....lb. .65 - .70
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .58 - .60
Aloin, 140-lb. bbls.....lb. 5.45 - —
100-lb. kgs.....lb. 5.47 - —
25-lb. fib. dms.....lb. 5.54 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, whole, bbls.....lb. .68 - 1.35
Alum, ammonia,[6] burna, USP. bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phil..100 lbs. 4.00 - —
lump, bbls., works....100 lbs. 4.25 - —
dlvd., N. Y., Phil..100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.40 - —
dlvd., N. Y., Phil..100 lbs. 4.40 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd., N.C. price apply to truck or ex warehouse.

Potash, gran., bbls., works.... 100 lbs. 4.25 - —
dlvd., N. Y., Phila..100 lbs. 4.25 - —
lump, bbls., works....100 lbs. 4.50 - —
dlvd., N. Y., Phila..100 lbs. 4.50 - —
powd., bbls., works....100 lbs. 4.65 - —
dlvd., N. Y., Phila..100 lbs. 4.65 - —

Potash alum prices on same basis as those for ammonia alum,

Chrome, bbls.....lb. .12½- .15
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, solut., 24%, l.c.l., bbls., 10 or over, dlvd..lb. .10½- —
1 to 9, dlvd.....lb. .11 - —
normal, solut., 20%, bbls., l.c.l., 10 or over, dlvd..lb. .09½- —
1 to 9, dlvd.....lb. .10 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .08 - —
12,100 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 375 lbs., works..lb. .11 - —
100 lbs. or less, works..lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solut., 32 leg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Fluoride, bbls.....lb. .35 - .40
Hydrate,[6] heavy, bbls., c.l., works..lb. .0340- —
l.c.l., bbls., works.....lb. .04 - —
bgs., c.l., works.....lb. .1310- —
light, 50-lb. bgs., dlvd.....lb. .14½- —
90-lb. bbls., dlvd.....lb. .15 - —
Oleate, dms., contract.....lb. .24½- —
Palmitate, precip., bbls.....lb. .25 - .26
Resinate, precip., dms.....lb. .15½- —
Stearate, precip., bbls., ctns., c.l..lb. .23 - —
l.c.l .....lb. .24 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - 1.25
l.c.l., works, frt. equald., 100 lbs. 1.40 - 1.50
bbls., c.l., works....100 lbs. 1.35 - 1.45
l.c.l., works, frt. equald.. 100 lbs. 1.60 - 1.70
iron free, bgs., c.l., works, 100 lbs. 1.75 - 1.85
l.c.l., works.....100 lbs. 2.00 - 2.10
bbls., c.l., works.....100 lbs. 1.95 - 2.05
l.c.l., works.....100 lbs. 2.20 - 2.30
Aluminum, 98-99%, [3,4,6], c.l...lb. .15 - —
l.c.l .....lb. .16 - —
paste,[6] lining, extra fine, 200-lb. drm..lb. .56 - .60
ink, 150-lb. drm.....lb. .71 - —
standard, 200-lb. drm.....lb. .38 - —
powder,[6] lining, extra, fine, 150-lb. drm..lb. .93 - —
litho, 150-lb. drm.....lb. .57 - —
standard, 200-lb. drm.....lb. .50 - —
rubber compound, 200-lb. drm, lb. .40 - —
unpolished, standard, 250-lb. drm..lb. .36 - —
varnish, standard, 300-lb. drm, lb. .40 - —

Aluminum powder, and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. drm., 1¼c. for 50-lb. drm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,000 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier, transportation rate will be made from sellers' invoice on orders of 200 lbs. or over.

Ambergris, gray, tins.....oz.17.00 -18.00
Aminomethylpropanol, dms., wks., lb. .50 - —
5 and 10-gal. cans, works..lb. .60 - —
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.25 - —
Ammonia,[6] anhydrous, fertilizer, f.o.b. Belle, W. Va., frt. equal with Hopewell, Va..ton.90.00 - —
refrigeration, tanks, works..lb. .05 - —
pure, cycls., dlvd., Met., N.Y., lb. .16 - —

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Aqua, 26°, cbys.....lb. .06¼- —
dms, c.l.....lb. .02¼- —
l.c.l.....lb. .02½- —
tanks (on NH_3 content) f.o.b. works..lb. .04 - —
Benzoate, USP, dms., kgs., 4,000 lbs. or more..lb. 1.06 - —
1,000 lbs. to 3,900 lbs.....lb. 1.07 - —
900 lbs. or less.....lb. 1.10 - —
Bicarbonate, dms., dlvd., Met., N. Y..lb. .0564- .0614
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .16 - .18
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .31 - .35
bxs.....lb. .34 - .38
kgs.....lb. .32 - .36
Carbonate, lump, dms., dlvd., Met. N.Y..lb. .08¼- .09¼
cns., same basis.....lb. .14¼- —
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .10 - —
100-lb. kgs.....lb. .13 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
50-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .84 - .85
Ammonia, fluoride, bbls.....lb. .18 - .20
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 5.71 - —
jars .....lb. 5.85 - —
Linoleate, 80%, anhyd., bbls..lb. .12 - —
Molybdate, kgs., works.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works.... 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .23 - .29
Perchlorate, kgs.....lb. .55 - .65
Persulphate, kgs., dom.....lb. .25½- .28½
Phosphate, dibasic, NF V, bls. lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N., 48% phos., bulk, f.o.b. E. works..unit-ton. No prices
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .15 - .18
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphamate, 6 bbls., or more, works..lb. .18 - —
2 to 5 bbls., works.....lb. .20 - —
single bbls., works.....lb. .24 - —
smaller lots, works.....lb. .29 - —
Sulphate,[1] dom., bulk, f.o.b. cars at any one of 45 inland producing ovens..ton.28.20 - —
f.o.b. cars, at any one of 21 Atlantic Coast ports, ton.29.20 -
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., works..lb. .07½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½- —
red, 48%, cbys., works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, CP, dms.....lb. .45 - .55
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l., works..100 lbs. 5.50 - 5.75
l.c.l., same basis..100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.15 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .14½- .17
l.c.l., dlvd.....lb. .15 - .17½
tanks, dlvd.....lb. .13½- .16
ex-pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .15½- —
l.c.l., same basis.....lb. .16½- —
tanks, same basis.....lb. .14½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .06 - —
Ether, dms., c.l., works.....lb. .09½- —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .08½- —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .31 - —
Salicylate, 5-lb. bots.....lb. 1.25 - 1.50
Stearate, dms., l.c.l., works..lb. .32½- —
Amylene, dms., c.l., works....lb. .10½- —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Amylnaphthalenes, mixed, crude, l.c.l., dms., works..lb. .14 - —
refd., dms., works.....lb. .16 - —
Anethol, bots.....lb. 2.35 - 2.40
cans .....lb. 2.25 - 2.30
Angelica root, dom., bls.....lb. .55 - 1.35
import, natural, bls.....lb. 3.25 - —
Angostura, bark, bls.....lb. .22 - .23
Anilin oil,[6] dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .12½- —
Salt, dms., works.....lb. .22 - .24
Anise,[1] Cyprus, bgs.....lb. .34 - .35
Ecuador, bgs.....lb. .33 - .34
Mexican, fair, bgs.....lb. .30 - .31
Spanish, bgs.....lb. .38 - .39
Star .....lb. .45 - .46
Syrian, bgs.....lb. .29½- .30
Turkish, bgs.....lb. .34½- .35
Anisic aldehyde, bots.....lb. 3.25 - 3.35
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06 - .06½
Anthracene, 80-85%, bbls., works, lb. .55 - —
90%, bbls., works.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .70 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal,[2,4] bulk, c.l., works...lb. .14½- —
Needle, brown, Bolivian, 67%, lb. .18½- —
Chinese, black, 70%.....lb. .20 - .22
Oxide,[6] bgs., c.l.....lb. .15 - —
l.c.l. .....lb. .15½- —
Salt, 65%, bbls., dlvd. E. of Miss. River..lb. .40 - —
Sulphide, 65-70%, bbls., c.l., works..lb. .17 - —
l.c.l., works.....lb. .17½- —
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, bbls.....lb. .26 - —
Areca nuts, powd., bbls.....lb. .25 - .26
Arecoline, hydrobromide, bots., oz.11.25 -11.50
Argols, test 70% to 85% basis, 100%, 100 kgm. purity, f.o.b. Spaninsh ports..100 kilos.105.00 - —
Argentine, f.o.b. N. Y.....kilo.132.00 -134.00
Arnica flowers, bls.....lb. 2.65 - 2.70
Root, bls.....lb. 1.00 - 1.25
Arrowroot, St. Vincent, powd., bgs..lb. .10 - .10½
bbls. .....lb. .09½- .09¾
Arsenic,[6] metal, lump, c.l.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
Trisulphide, l.c.l., works....lb. .30 - .35
White, powd., kgs., c.l.....lb. .04 - —
l.c.l. .....lb. .04¾- —
Asafetida, cs.....lb. .55 - .60
powd., cs.....lb. .80 - .85
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5D and 5K, bgs., c.l (20 tons). Canad. mines, ton.49.50 - —
5R, bgs., c.l. (20 tons). Canad. mines..ton.44.00 - —
6D, bgs., c.l. (30 tons, Canad. mines..ton.33.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.28.50 - —
7F, bgs., c.l. (30 tons, Canad. mines..ton.26.50 - —
Asbestos fiber, 7H, bgs., c.l. (30 tons), Canad. mines.....ton.22.50 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.19.00 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.16.50 - —
7R, bgs., c.l. (30 tons), Canad. mines..ton.15.50 - —
Asphaltum, Manjak No. 10, crude, f.o.b. plant..lb. .05¼- .12
process form, bgs., f.o.b. plant..lb. .05¾- .13
jet, bgs., 2,000 lbs., gross weight lots, bgs., f.o.b. Colorado shipping point.. ton.30.00 - —
Barbadoes, any quantity, f.o.b. Dunellen, N. J..lb. .10½- —
California, dms., c.l., f.o.b. N.Y., ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.40.00 - —
Cuban A, bgs., c.l., f.o.b. N.Y., ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N.Y. lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, selecta, 340 F, fusing point, bgs., gross weight, f.o.b. western shipping points....ton.32.90 - —
seconds, 370-390 F. fusing point, not uniform, same basis .....ton.25.50 - —
brilliant, selects, 290-295 F. fusing point, same basis. ton.30.50 - —
270 F. fusing point, same basis .....ton.30.50 - —
seconds, 300-330 F. fusing point, not uniform, same basis .....ton.25.50 - —
jet, 2,000 lbs. gross weight lots, bgs., f.o.b. Colorado shipping point..ton.30.50 - —
Mexican, Texas, dms., c.l., refinery..ton.21.00 - —
l.c.l., refinery.....ton.21.00 -23.00
tanks, refinery.....ton.16.00 - —
Atropine, bots.....oz.24.50 - —
Sulphate, bots.....oz.18.75 - —

B

Balm of Gilead buds, bgs.....lb. .70 - .80
Barbasco root (see cube root).
Barberry bark, bgs.....lb. .78 - .80
Tree bark, bls.....lb. No stocks
Barbital, cs., dms.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.55.00 - —
l.c.l., works.....ton.60.00 - —
bbls., c.l., works.....ton.60.00 - —
l.c.l., works.....ton.65.00 - —
sulphur-free, c.l., works..ton.60.00 - —
l.c.l., works.....ton.65.00 - —
Chlorate,[6] kgs.....lb. .— - —
Chloride, CP, cryst., bbls.....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., dom., cryst., Zone 1, bgs., c.l. dlvd..lb.77.00 - —
l.c.l., dlvd.....lb.90.00 - —
bbls., c.l., dlvd.....lb.79.00 - —
l.c.l., dlvd.....lb.92.00 - —
Zone 2, bgs., c.l., dlvd..lb.81.00 - —
l.c.l., dlvd.....lb.94.00 - —
bbls., c.l., dlvd.....lb.83.00 - —
l.c.l., dlvd.....lb.96.00 - —
Zone 3, bgs., c.l., dlvd..lb.87.00 - —
l.c.l., dlvd.....lb.100.00 - —
bbls., c.l., dlvd.....lb.89.00 - —
l.c.l., dlvd.....lb.102.00 - —
Zone 4, bgs., c.l., dlvd..lb.93.00 - —
l.c.l., dlvd.....lb.97.50 - —
bbls., c.l., dlvd.....lb.58.00 - —
l.c.l., dlvd.....lb.99.50 - —

Barium chloride, technical, zones are as follows: Zone 1, New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Ill., Wis., Ky., and principal cities on west bank of Miss. R., north of Miss., north of Ark., line.

Zone 2, Tenn., No. and So. Carolina, Ga., Ala., Miss., and Fla. Zone 3, Minn., Ia., Mo., Col., N. Mex., Idaho, Utah and Ariz. Zone 4, Wash., Ore., Calif., and Nev.

Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06 - .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .11 - .12
Oxide, ungrd., dms., c.l., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works.....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .17 .19
Stearate, ctns. (50 lbs. each), ton and carload lots..lb. .31 - —
less than ton lots.....lb. .32 - —
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.27.65 - —
l.c.l., same basis.....ton.28.65 - —
ex whse, N. Y.....ton.36.00 - —
paper bags, c.l., St. Louis, ton.25.35 - —
l.c.l., same basis.....ton.26.35 - —
ex whse, N. Y.....ton.34.00 - —
Southern off color, bgs., mines..ton.17.50 - —
95.75%, bgs., mines.....ton.18.00 - —
ore, bulk, mines.....ton. 8.00 - —
German .....ton. No prices
Italian .....ton. No prices
Bauxite,[6] bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, bbls.....gal. 1.40 - 1.50
Bayberry bark, bgs.....lb. .12 - .13
Belladonna leaves, bls.....lb. 1.75 - 1.85
Root, bls.....lb. 1.30 - 1.35
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works... ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .45 - .55
NF VI, dms., 50 to 100 lbs...lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.20 - 3.55
Benzol,[2,6] 90%, dms., returnable, works..gal. .20 - —
tankcars, frt. alld. up to 2c. per gal..gal. .15 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .15 - —
Benzophenone, dms.....lb. 1.15 - 1.20
Benzoyl chloride, cbys.....lb. .22 - .24
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —

Benzyl acetate, f.f.c., cns.	lb.	.59	Nom.
dms.	lb.	.55	Nom.
Alcohol (see Alcohol, benzyl).			
Benzoate, a.m.a., f.f.c., dms.	lb.	2.50	- —
Chloride, cbys., frt. equald.	lb.	.22	- .24
Cinnamate, cns.	lb.	5.50	Nom.
Formate, cns.	lb.	3.50	- 3.75
Isoeugenol, bots.	lb.	9.50	- —
Propionate, bots.	lb.	4.00	- —
Salicylate, bots.	lb.	2.50	- —
Benzylidineacetone, bots.	lb.	3.00	- 3.25
Berberine bisulphate, cns.	lb.	22.50	-38.50
Hydrochloride, cns.	lb.	22.50	-38.50
Sulphate, cns.	lb.	22.50	-38.50
Berberis root, bls.	lb.	.13	- .14
Betanaphthol, sublim., kgs.	lb.	.55	- —
tech., bbls., c.l., works	lb.	.22	- —
l.c.l., bbls., works	lb.	.24	- —
Benzoate, fib. dms.	lb.	1.75	- —
Salicylate, dms.	lb.	5.00	- —
Betanaphthylamine, tech., kgs.	lb.	.51	- —
Beth root, bls.	lb.	.33	- .35
Bismuth chloride, 5-lb. bots.	lb.	3.00	- —
jars	lb.	2.85	- —
Citrate, USP, VIII, 5-lb. bots.	lb.	2.86	- —
jars	lb.	2.75	- —
Hydroxide, 5-lb. bots.	lb.	3.46	- —
cns.	lb.	3.35	- —
Metal, ton lots	lb.	1.25	- —
Nitrate, cryst., 5-lb. bots.	lb.	1.45	- —
cns.	lb.	1.30	- —
Oxychloride, 5-lb. bots.	lb.	3.19	- —
cns., kgs.	lb.	3.10	- —
Subbenzoate, 5-lb. bots.	lb.	3.51	- —
fib. dms.	lb.	3.40	- —
Subcarbonate, bots., cns.	lb.	1.59	- 1.63
175-lb. bbls.	lb.	1.50	- —
X-ray, 5-lb. bots.	lb.	2.79	- —
fib. dms.	lb.	2.72	- —
Subgallate, bots., cns.	lb.	1.49	- 1.53
fib. dms.	lb.	1.40	- —
Subiodide, bots.	lb.	4.24	- —
fib. dms.	lb.	4.13	- —
Subnitrate, powd., bots., cns.	lb.	1.29	- 1.33
250-lb. bbls.	lb.	1.20	- —
Subsalicylate, 60-66%, bots.	lb.	2.59	- —
bbls., fib. dms.	lb.	2.50	- —
Sulphocarbolate, 5-lb. bots.	lb.	3.76	- —
fib. dms.	lb.	3.65	- —
Trioxide, powd., 5-lb. bots.	lb.	3.76	- —
cns.	lb.	3.65	- —
Bismuth ammonia, citrate, USP, powd., 25-lb. dms.	lb.	3.40	- —
5-lb. cns.	lb.	3.45	- 3.50
Black,[3] acetylene, imp., c.l., works, duty paid	lb.	.14	- —
Bone, 1A, c.l.	lb.	.17	- —
l.c.l.	lb.	.17½	- —
2, c.l.	lb.	.13	- —
l.c.l.	lb.	.13½	- —
3, c.l.	lb.	.12	- —
l.c.l.	lb.	12½	- —
4, c.l.	lb.	.11	- —
l.c.l.	lb.	.11½	- —
5, c.l.	lb.	.08½	- —
l.c.l.	lb.	.09	- —
6, c.l.	lb.	.08½	- —
l.c.l.	lb.	09	- —
7, c.l.	lb.	.11½	- —
l.c.l.	lb.	.12	- —
8, c.l.	lb.	.12½	- —
l.c.l.	lb.	.13	- —

Bone black prices are for barrels or bags, freight allowed East. Pacific Coast prices are 1½c. per lb. higher, ex dock or ex whse.

Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants	lb.	.03625	- —
l.c.l., bgs. or cartons, f.o.b. whse.	lb.	.08	- —
divd.	lb.	.08	- —
beads, compressed, bgs., c.l., f.o.b. plants	lb.	.03550	- —
l.c.l., bgs. or cartons, f.o.b. whse.	lb.	.07½	- —
divd.	lb.	.07½	- —
Charcoal (see C).			
Graphite (see G).			
Iron oxide, magnetic, pure, bbls., l.c.l., works	lb.	.08½	- —
Lamp, dom., 1, ctns., c.l., works	lb.	.07½	- —
l.c.l., works	lb.	.09	- —
2, ctns., c.l., works	lb.	.10	- —
l.c.l., works	lb.	.11	- —
2A, ctns., c.l., works	lb.	.11	- —
l.c.l., works	lb.	.12	- —
3, ctns., c.l., works	lb.	.14½	- —
l.c.l., works	lb.	.15½	- —
4, ctns., c.l., works	lb.	.16½	- —
l.c.l., works	lb.	.17½	- —
5, ctns., c.l., works	lb.	.18½	- —
l.c.l., works	lb.	.20	- —
6, ctns., c.l., works	lb.	.26½	- —
l.c.l., works	lb.	.27½	- —
7, ctns., c.l., works	lb.	.37½	- —
l.c.l., works	lb.	.40	- —
Mineral, vine type, bbls., l.c.l., f.o.b. works	lb.	.0434	- —
Vine, A, bbls., works or N. Y.	lb.	.04½	- .05
B, bbls., works or N. Y.	lb.	.05½	- —
kegs, f.o.b. N. Y.	lb.	.06	- —
dms., c.l., frt. alld.	lb.	.09½	Nom.

Black dyes are listed under Dyes.

Black Haw root bark, bls.	lb.	.39	- .40
Tree bark, bls.	lb.	.20	- .21
Black Indian hemp root, bls.	lb.	.20	- .26
Blanc fixe, dry, by-product, bgs., c.l., works	ton.	60.00	- —
l.c.l., works	ton.	67.50	- —
direct process, bgs., c.l., f.o.b. Huntington, W. Va.	ton.	70.00	- —
bbls.	ton.	75.00	- —
l.c.l., same basis	ton.	75.00	- —
bbls., same basis	ton.	80.00	- —
pulp, 66⅔%, bbls., c.l., works.	ton.	40.00	- —
l.c.l., same basis	ton.	46.50	- —
Bleaching powder,[3,6] dms., c.l., works.	100 lbs.	2.50	- 3.10
l.c.l., works	100 lbs.	2.75	- 3.60
Blood, dried, dom., 16-16½% ammon., bgs., f.o.b. N. Y.	unit-ton.	4.95	- —
high-grade, unground, 16-17% ammon., bulk, f.o.b. Chicago	unit-ton.	5.38	- —
import, bgs., c.l.f. ports, shipt.	unit-ton.	Nominal	
soluble (see Albumen, blood)			
Bloodroot, bls.	lb.	.32	- .35
Blue,[3] alkali, toner, bbls., divd. N. of Tenn. and N. C. E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis.	lb.	.85	- .90

Alkali blue toner prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Bronze, bbls., same basis, contracts	lb.	.86	- —
Celestial, bbls.	lb.	.10	- .12
Chinese, bbls., same basis, contracts	lb.	.36	- —
Cobalt,[3] genuine, 1-kilo pkg.	lb.	4.90	- —
Imitation (see Blue, ultramarine).			
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld.		3.30	- 3.75
Blue, milori, bbls., same basis, contracts	lb.	.36	- —
Molybdated, Victoria, same basis, contracts	lb.	3.15	- —
Peacock, same basis, contracts.	lb.	.52	- —
Potash, dms., bbls., same basis, contracts	lb.	.42	- —
Prussian, bbls., same basis, contracts	lb.	.36	- —
Tungstated, peacock, kgs.	lb.	4.00	- —
Victoria, kgs.	lb.	3.30	- —
Methyl violet, kgs.	lb.	2.10	- —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald.	lb.	.23	- .27
jobbing grades, bbls., same basis	lb.	.12	- .13
regular grades, bbls., same basis	lb.	.17	- .27
Blue, ultramarine, divd. ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher, 100-lb. bgs., 1c. above bbls.; 28-lb. boxes, 5c. above bbls.			
Victoria ink toner, bbls., same basis alkali toner	lb.	1.83	- —
synthetic vehicle, bbls., same basis	lb.	1.93	- —

Blue dyes are listed under Dyes.

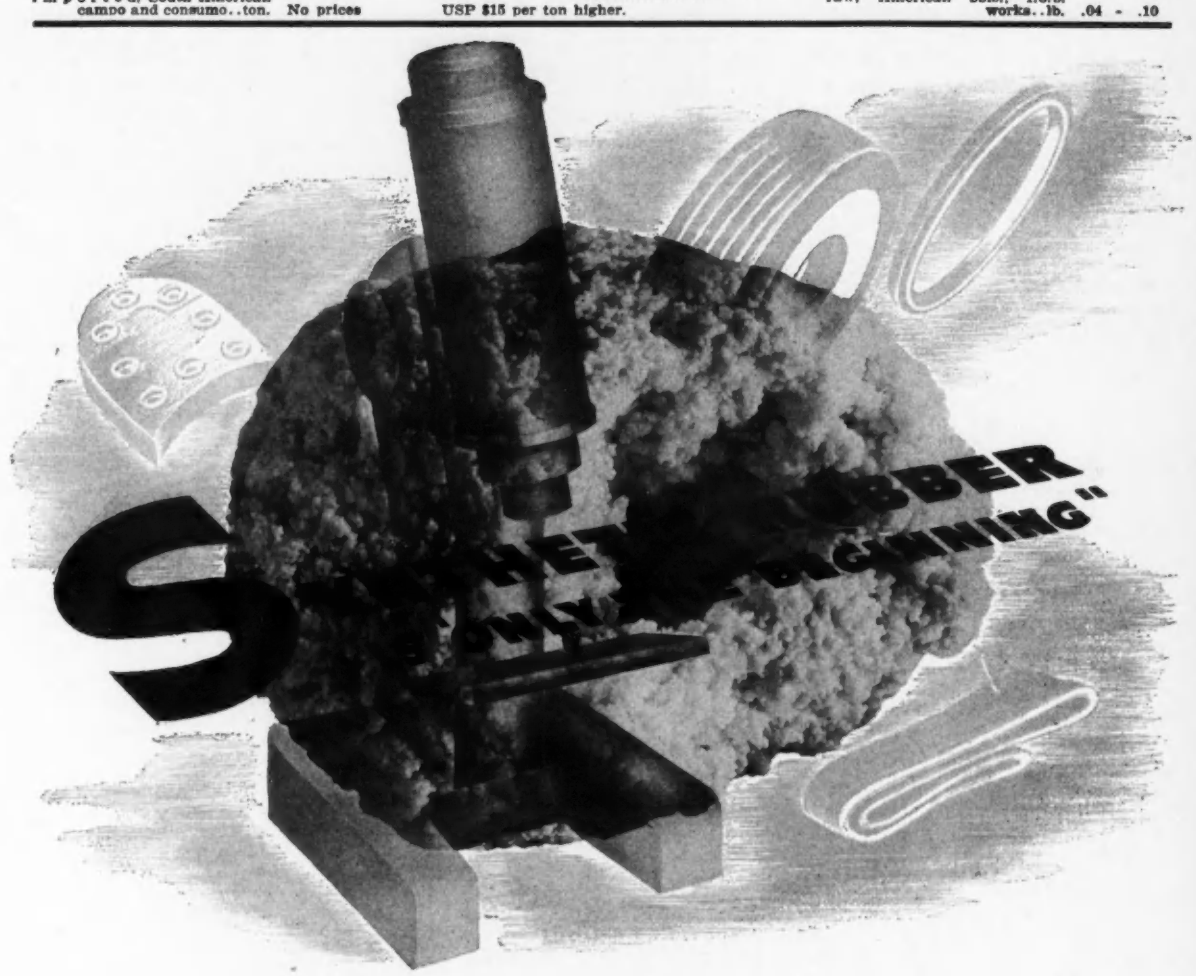
Bluefag root, bls.	lb.	.20	- .30
Blue mass, USP, cns., tubs.	lb.	1.67	- 1.84
powd., bots., cns., dms.	lb.	1.70	- 1.84
Bluestone (see Copper sulphate).			
Blue vitriol (see Copper sulphate).			
Bone, raw, dom., industrial, f.o.b. Chicago	ton.	57.50	-65.00
junk, same basis	ton.	31.00	- —
imported, South American campo and consumo	ton.	No prices	
Bone, meal, raw, dom., 4½% ammon., 50% phos., bags, f.o.b. Eastern works	ton.	37.50	- —
same basis, Chicago	ton.	32.50	- —
steamed, domestic, feeding grade, 1% ammon., 60% phos., bags, f.o.b. Eastern works	ton.	45.00	-47.00
same basis, Chicago	ton.	50.00	-51.00
fertilizer grade, 3% ammon., 50% phos., bags, f.o.b. Eastern works	ton.	37.50	- —
same basis, Chicago	ton.	35.00	-36.00
Phosphate, precip. (see Calcium phosphate tribasic precip.).			
Boneset beans, bls.	lb.	.12	- .13
Borage flowers, bls.	lb.	.40	- .95
Borax,[3] tesh., 99½%, gran., bulk, c.l., frt. alld.	ton.	41.50	- —
bgs., c.l., frt. alld.	ton.	45.00	- —
ton lots, ex whse.	ton.	56.00	- —
less than ton lots, ex whse.	ton.	61.00	- —
bbls., c.l., frt. alld.	ton.	55.00	- —
ton lots, ex whse.	ton.	66.00	- —
less ton lots, ex whse.	ton.	71.00	- —
powd., bgs., c.l., frt. alld.	ton.	50.00	- —
ton lots, ex whse.	ton.	61.00	- —
less than ton lots, ex whse.	ton.	66.00	- —
bbls., c.l., frt. alld.	ton.	60.00	- —
ton lots, ex whse.	ton.	71.00	- —
less than ton lots, ex whse.	ton.	76.00	- —

USP $15 per ton higher.

Bordeaux mixture dms., c.l., dealers	lb.	.11	- —
l.c.l., dealers, dms.	lb.	.11¼	- —

Bordeaux mixture prices are works or whse. basis, frt. alld. to dest., in lots of 96 lbs. and over, no trucking or freight allowance for works or warehouse pickups.

Brazilwood extract (see Hypernic).			
Brimstone (see Sulphur).			
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies	lb.	.25	- .30
single pkgs., same basis	lb.	.30	- .35
Bromoform, USP, 100-lb. lots, bots.	lb.	1.50	- —
cbys.	lb.	1.42	- —
Bromstyrol	lb.	4.30	- 5.00
Bronze powder, aluminum (see A).			
Gold, litho, cns., dms., over 10 lbs.	lb.	.60	- .65
moulding, cns., dms., over 10 lbs.	lb.	.80	- 1.00
printing ink, cns., dms., over 10 lbs.	lb.	.85	- 1.20
radiator, cns., dms., over 10 lbs.	lb.	.45	- .50
Broomtops, bls.	lb.	.15	- .18
Brown,[3] iron oxide, pure, precip., cks., f.o.b. N.Y.	lb.	.12	- —
Metallic, iron oxide, bbls., wks.	lb.	.02½	- —
paper bgs., c.l., works	lb.	.0235	- —
Sap, crystals, dom., works	lb.	.12	- —
powdered	lb.	.18	- —
Sienna, burnt, American, bbls., f.o.b. works	lb.	.03¾	- .06
Italian, Amer. replacement type, bbls., f.o.b. works	lb.	.03¾	- .10¾
raw, American bbls., f.o.b. works	lb.	.04	- .10



THE PUBLIC thinks of synthetic rubber in terms of tires, tubes, shower curtains and other finished products. But to the tire or rubber goods manufacturer it is simply a new *raw material* out of which he must fashion such products. And the basic differences between latex and the various chemical compounds we call synthetic rubber have given rise to many new and difficult problems of production. New compounding materials must be made available. New techniques for vulcanization, formulation and fabrication must be developed before large volume production of high quality synthetic rubber articles can be achieved. This is one of the biggest problems ever tackled by chemistry. And time is of the essence—for millions of tons of chemical rubber are needed to bring the war to a victorious conclusion.

Wishnick-Tumpeer, Inc. is in the thick of this great production battle that is now being won. Already from the Witco Research Laboratories have come new and remarkable materials that speed production and improve the quality of synthetic rubber products. Among these are Witco Carbon Black No. 12, which increases heat resistance in tire treads...Witcarb, a special filler that improves tensile and tear resistance...Witco Softener No. 20, which saves milling time...Stearite, a highly effective dispersing and vulcanizing aid. All of these developments were made possible by the company's special knowledge of rubber chemistry, and its long experience in helping the rubber industry solve compounding problems. This service is typical of the laboratory and technical cooperation Wishnick-Tumpeer, Inc. can give you if you use chemicals, oils, pigments, asphalts or allied products.

WISHNICK-TUMPEER, INC.
MANUFACTURERS AND EXPORTERS

WITCO

New York, 295 Madison Avenue • Boston, 141 Milk Street • Chicago, Tribune Tower Cleveland, 616 St. Clair Avenue, N. E. Witco Affiliates: Witco Oil & Gas Company • The Pioneer Asphalt Company • Panhandle Carbon Company • Foreign Office, London, England

Brown, Sienna, raw, Italian, Amer. replacement type, bbls., f.o.b. works	lb.	.08 -	.10
Umber, Amer., bbls., works	lb.	.03¾-	—
Italian type, Amer. replacement, bbls., works	lb.	.04¾-	—
Turkey type, bbls., l.c.l., f.o.b. Boston, Bethlehem, Easton, Pa., N. Af	lb.	.04¾-	—
St. Louis, Chicago, Indianapolis, New Orleans	lb.	.05¼-	—
Kansas City	lb.	.05¾-	—
Minneapolis	lb.	.0535-	—
Pittsburgh	lb.	.05 -	—
ex car, Los Angeles	lb.	.05¾-	—
Portland, San Francisco, Seattle	lb.	.05½-	—
ex whse, Los Angeles	lb.	.05¾-	—
Portland, San Francisco, Seattle	lb.	.05¾-	—
Vandyke, regular, bbls., l.c.l., works	lb.	.09 -	—
special	lb.	.12 -	—
Brucine, 100 oz., cns	oz.	.35 -	—
Sulphate, 100 oz., cns	oz.	.30 -	—
Byronia root, bls	lb.	.85 -	.90
Buchu leaves, bls	lb.	.80 -	.82
Buckthorn bark, true, bls	lb.	.95 -	.97
cut and sifted, bbls	lb.	.85 -	.90
Berries, bgs	lb.	.37 -	.38
Burdock root, bls	lb.	.06 -	—
Burgundy pitch, dom., dms	lb.	.06 -	—
Butane,[1] industrial grade, tanks, f.o.b. Group 3	gal.	.03 -	.03½
Butternut bark, bls	lb.	.08 -	.09
Butyl acetate,[1] norm., dms., c.l., frt. alld.	lb.	.14½-	.15¾
l.c.l., frt. alld	lb.	.15 -	.16¼
tanks, frt. alld	lb.	.13½-	.14¾
secondary, dms., c.l., frt. pd. E. of Miss. R.	lb.	.09¼-	—
l.c.l., same terms	lb.	.10 -	—
tanks, same terms	lb.	.08½-	—
Alcohol (see Alcohol).			
Aldehyde, dms., c.l., works	lb.	.15½-	—
l.c.l., works	lb.	.16¼-	—
tanks, works	lb.	.14½-	—
Carbinol, secondary, l.c.l., dms., works	lb.	.60 -	—
Chloride, normal dms., c.l., works	lb.	.32 -	—
l.c.l., works	lb.	.35 -	—
Ether (see under Ether).			
Lactate, dms	lb.	.26½-	—
Laurate dms., works	lb.	.42 -	—
Myristate, dms., works	lb.	.41 -	—
Oleate, ref'd, dms., works	lb.	.35 -	—
tech., dms., works	lb.	.29 -	—
Phenylacetate, dms	lb.	2.00 -	2.25
Phthalate,[6] dms., frt. alld. E. of St. Louis	lb.	.20¼-	21¼
Propionate, dms., dlvd	lb.	.16½-	.17
tanks	lb.	.15¼-	—
Stearate, dms	lb.	.31 -	—
Butyric ether, bots	gal.	6.50 -	6.95
cns., works	lb.	.65 -	.70
dms., frt. alld. Met. N. Y.	lb.	.60 -	—

C

Cadmium bromide, 25-lb. jars, 50 lbs. or more	lb.	1.65 -	1.66
single jars	lb.	1.70 -	—
5-lb. bots	lb.	1.84 -	1.91
Iodide, 5-lb. bots	lb.	4.23 -	—
25-lb. cans	lb.	4.09 -	—
Lithopone (see Yellow).			
Metal,[1,4] pat., shapes, cs., dlvd.	lb.	.95 -	—
ingots or sticks	lb.	.90 -	—
Red (see Red).			
Selenide (see Red).			
Sulphite (see Yellow).			
Caffeine,[6] 10,000 lbs. or more, dms., containing 100 lbs.	lb.	2.60 -	—
dms., containing 25 lbs.	lb.	2.63 -	—
dms., containing 10 lbs.	lb.	2.65 -	—
2,000 lb. lots., dms., containing 100 lbs.	lb.	2.65 -	—
dms., containing 25 lbs.	lb.	2.68 -	—
cns., containing 10 lbs.	lb.	2.70 -	—
1,000 lb. lots., dms., containing 100 lbs.	lb.	2.70 -	—
dms., containing 25 lbs.	lb.	2.73 -	—
cns., containing 10 lbs.	lb.	2.75 -	—
100 lb. lots, dms., containing 100 lbs.	lb.	2.80 -	—
dms., containing 25 lbs.	lb.	2.83 -	—
cns., containing 10 lbs.	lb.	2.85 -	—
less than 100 lbs., cns., containing 10 lbs.	lb.	3.15 -	—
Citrated, bots	lb.	2.30 -	—
Hydrobromide, bots	lb.	5.29 -	5.37
Calabar beans, bgs	lb.	.35 -	.40
Calamus root, peeled, NF, cs., lb.		No stocks	
bleached, bls	lb.	No stocks	
dom., natural, bls	lb.	.30 -	.45
Calcium acetate, bgs., dlvd., 100 lbs.		3.00 -	4.00
Arsenate,[6] bgs., c.l.	lb.	.07 -	.08
l.c.l.	lb.	.07½-	.08½
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowances for paint or whse. pick-up.			
Bromide, 100 lbs., works, frt. equald.	lb.	.65 -	—
50 lbs., works	lb.	.67 -	—
25 lbs., works	lb.	.70 -	—
Carbide, dms., c.l., dlvd. 100 lbs.		4.75 -	—
l.c.l., f.o.b. warehouse, 100 lbs.		4.85 -	—
Carbonate (see Chalk and Whiting).			
Chloride, flake, paper bgs. 77-80%, c.l., dlvd.	ton.	18.50 -	35.00
l.c.l., 15 tons, dlvd.	ton.	21.50 -	25.50
5-ton lots	ton.	28.50 -	41.00
liquor, basis 40%, tanks, wks.,	ton.	7.50 -	—
solid, dom., 73-75%, dms., c.l., dlvd.	ton.	18.00 -	34.50
15 tons, dlvd	ton.	21.45 -	25.45
5-ton lots	ton.	28.45 -	40.95
Calcium chloride c.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags, and drums $5.50 per ton over paper bags.			
CP, cryst., 100-lb. lots, bbls., jars	lb.	.28 -	—
smaller lots, bbls. jars bots.	lb.	.29 -	.39
Gluconate, USP, gran., 150-lb. bbls.	lb.	.52 -	—
dms.	lb.	.57 -	.59
cns.	lb.	.70 -	—
Powd., 2c. per lb. lower.			
Glycerophosphate, fib. dms., 1,000-lb. lots.	lb.	1.28 -	—
100-lb. lots	lb.	1.40 -	—
cns., 25 lbs.	lb.	1.65 -	—
Hypophosphite, cns.	lb.	.62 -	.65
Iodide, bots., jars		4 04 -	4.19
Lactate, USP, bbls., 200 lbs. lb.		.27 -	.28
Mandelate, dense, dms.	lb.	2.05 -	2.30
fluffy, dms.	lb.	2.05 -	2.30
Palmitate, bbls	lb.	.28 -	.29
Pantothenate, dex., 100-gram bots.	per gram.	.50 -	—
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f. Atlantic ports, shipt. unit-ton.		No prices	
Calcium, phosphate, feeding grade, bgs., f.o.b. works	ton.	75.00 -	—
food grade, f.o.b. works, 10 bbls. or over	lb.	.07 -	.07¾
5 to 9 bbls., same basis,	lb.	.08 -	.09
1 to 4 bbls., same basis,	lb.	.10 -	—
medicinal, bbls.	lb.	.11½-	.12
dms.	lb.	.12½-	.18
monobasic, cryst., bgs., c.l., works, frt. equald.	lb.	.05¾-	—
5 tons and over, bgs., same basis.	lb.	.06 -	—
less than 5 tons, same basis.	lb.	.06½-	—
tribasic, bbls., c.l., works.	lb.	.0335-	—
l.c.l.	lb.	.0705-	.0785
Resinate, precip., bbls., ton lots.	lb.	.15 -	—
smaller lots	lb.	.16 -	—
Stearate, precip., c.l.	lb.	.25 -	—
ton lots	lb.	.26 -	—
less than ton lots	lb.	.27 -	.28
Sulphate (see Gypsum).			
Sulphide, 70% CaS, bgs., c.l., works.	ton.	46.00 -	—
80% CaS, bgs., c.l., works.	ton.	51.00 -	—
luminous, dom., tins, works, 100 lbs.		1.25 -	—
Sulphocarbolate, 1,000-lb. lots, 200-lb. bbls.	lb.	.49 -	—
Calendula flowers, bls	lb.	3.25 -	3.30
Calomel,[2] bbls., fib. dms., kgs., 50 lbs. or more	lb.	2.95 -	—
Camphor, natural, powd., cs.	lb.	.95	Nom.
slabs, cs	lb.	.95	Nom.
tablets, tins	lb.	1.25	Nom.
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works.	lb.	.39½-	—
10 bbls. (1,500 lbs.)	lb.	.42 -	—
5 to 9 bbls.	lb.	.42½-	—
1 to 4 bbls.	lb.	.43½-	—
25 lbs. to 149 lbs.	lb.	.45½-	—
1 lb. to 24 lbs.	lb.	.52½-	—
USP, gran., powd., bbls., 2,000-lb. lots.	lb.	.66¼-	—
1,000-lb. lots	lb.	.67¼-	—
smaller lots	lb.	.68¼-	—
tablets, 2,000-lb. lots.	lb.	.79½-	—
1,000-lb. lots	lb.	.80¼-	—
smaller lots	lb.	.81¼-	—
Monobromate, bulk, 100-lb. lots,	lb.	3.10 -	—
25 to 50-lb. lots	lb.	3.20 -	3.25
Canada balsam (see Fir, balsam).			
Canary seed,[1] Argentine, bgs.	lb.	.09¼-	.09¾
Canella alba bark, bls	lb.	.29 -	.30
Cantharides, Chinese, cs.	lb.	2.25 -	2.30
powd., bxs	lb.	2.45 -	2.50
Russian, cs	lb.	6.00 -	6.25
powd., bxs	lb.	6.25 -	6.30
Capsicum (see Pepper, red).			
Caraway seed,[1] Dutch, bgs.	lb.	1.08 -	1.12
Morocco, bgs	lb.	.58 -	.60
Syrian, whiskered, bgs.	lb.	.49 -	.51
Carbazole, 95%, dms., ton lots, works.	lb.	.70 -	—
smaller quantities, works.	lb.	.80 -	—
98%, dms., ton lots, works.	lb.	.75 -	—
smaller quantities, works.	lb.	.85 -	—
Carbinol, butyl, norm. (see Amyl alcohol, normal).			
Diethyl, l.c.l., works	lb.	.60 -	—
Dimethylethyl, l.c.l., works.	lb.	.60 -	—
Isobutyl, dms., c.l., works.	lb.	.225 -	—
l.c.l., same basis	lb.	.235 -	—
tanks, same basis	lb.	.215 -	—
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R.	lb.	.05 -	—
l.c.l., same basis	lb.	.05¾-	—
5-gal. dms., c.l., same basis,	lb.	.07 -	.07½
l.c.l., same basis	lb.	.08 -	.08½
Dioxide, cyls	lb.	.06 -	.06
Tetrachloride, [1,8] Zone 1, 52½-gal. dms., c.l., frt. alld.	gal.	.73 -	—
l.c.l., frt. alld.	gal.	.80 -	—
5 or 10-gal. dms., c.l., frt. alld.	gal.	.97 -	—
l.c.l., frt. alld.	gal.	1.07 -	—
Zone 2, 52½-gal. dms., c.l., frt. alld.	gal.	.90 -	—
l.c.l., frt. alld.	gal.	.97 -	—
Zone 2, 5 or 10-gal. dms., c.l., frt. alld.	gal.	1.04 -	—
l.c.l., frt. alld.	gal.	1.14 -	—
Zone 3, 52½-gal. dms., c.l., frt. alld.	gal.	.94 -	—
l.c.l., frt. alld.	gal.	1.00 -	—
5 or 10-gal. dms., c.l., frt. alld.	gal.	1.17 -	—
l.c.l., frt. alld.	gal.	1.27 -	—
Zone 4, 52½-gal. dms., c.l.	gal.	.83 -	—
l.c.l.	gal.	.90 -	—
5 or 10-gal. dms.	gal.	1.07 -	—
l.c.l.	gal.	1.17 -	—

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the following States:—Me., N. H., Vt., Mass., Conn., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kans. Zone 2 includes N. D., S. D., Neb., Kans., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the States of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom,[1] bleached, cs.	lb.	1.70 -	1.80
decorticated, cs	lb.	1.55 -	1.60
green, Alleppey, bgs	lb.	.95 -	.97
Ceylon, cs	lb.	.94 -	.97
Carob bean flour (see Gum, Locust bean).			
Carvol, bots	lb.	22.50 -	23.00
Cascara sagrada bark, bulk	lb.	.26 -	.28
Case-hardening mixture, 30% lump, dms., l.c.l.		.09 -	—
Casein, dom., 20-30 mesh, bgs., c.l., dlvd.	lb.	.19 -	.21
5 tons, works	lb.	.19¼-	.21¼
smaller lots, works	lb.	.19¼-	.21¼
80-100 mesh, c.l., dlvd.	lb.	.19¼-	.21½
5 tons, works	lb.	.19¾-	.21¾
smaller lots, works	lb.	.20 -	.22
import, Argentine, 20-30 mesh., bgs., c.l., c.&f.	lb.	.09 -	—
French, 30 mesh, bgs., c.l., duty paid.	lb.	No prices	
New Zealand, 20-30-mesh, c.l., bgs., duty paid.	lb.	No prices	
Cassia,[1] Batavia, No. 1, thin quill, bls.	lb.	.63 -	.64
No. 1, regular, bls.	lb.	.58 -	.59
Shortstick broken	lb.	.53 -	.54
	lb.	.51 -	.52
China, buds, bgs.	lb.	.53 -	.54
rolls, select, bls.	lb.	.51 -	.52
broken, bls.	lb.	.48 -	.49
Saigon, all medum, bls.	lb.	.61 -	.62
all thin, bls.	lb.	.62 -	.63
Cassia fistula, baktts.	lb.	.25 -	.26
Castoreum, nat., cns.	lb.	12.50 -	15.00
Synth., bots.	lb.	19.00 -	—
Castor beans, f.o.b. Brazilian ports.	long ton.	75.00 -	—
Oil (see Oil, castor).			
Pomace,[1] dom., guaranteed 5½% ammon., bgs., c.l., works.	ton.	19.00 -	—
import, bgs., c.i.f. ports, shipment.	ton.	No prices	
Catechol, resublimed, frt. alld. E. of Miss., 100-lb. dms.	lb.	3.50 -	—
Celery seed,[1] French, bgs.	lb.	.28	-Nom.
Indian	lb.	.26 -	.26½
Celluloid scrap (see Pyroxylin scrap).			
Cellulose, acetate, flake, frt. alld.	lb.	.30 -	.35
granules, frt. alld.	lb.	.35 -	—
Triacetate, flake, frt. alld.	lb.	.30 -	—
Cerium hydrate, dms., works.	lb.	.60 -	—
oxalate, USP, bbls., works.	lb.	.35 -	—
kgs. works	lb.	.37 -	—
Oxide, optical grade, 100-lb. lots, works.	lb.	1.50 -	—
smaller lots, works	lb.	2.00 -	—
Chalk, precipitated, drugs, dentifrices, and cosmetics, c.l., spot.	lb.	.02¾-	—
paint and other industries, bgs., c.l., works.	ton.	40.00 -	—
papermakers, bgs., c.l., works.	ton.	32.50 -	—
rubbermakers, bgs., c.l., works.	ton.	30.00 -	—
Chamomile flowers, Hungarian type, cs.	lb.	.63 -	.64
Roman, bls	lb.	3.25	Nom.
Charcoal, softwood, grain, bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Ga., W. Va.	ton.	35.40 -	—
Conn., Me., Mass., N. H., R. I., Vt.	ton.	35.80 -	—
Ill., Ind., Iowa, Mich., Minn., Mo., Neb., O. and Wis.	ton.	32.50 -	—
Penn.	ton.	34.80 -	—
Willow, powd., bbls.	lb.	.06 -	.07
Chestnut extract, clarif., 25% tan., bbls., c.l., works.	lb.	.0275-	—
tanks, works	lb.	.0225-	—
Chillies (see Pepper, red).			
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh., bgs., c.l., works.	ton.	9.50 -	—
l.c.l., works	ton.	16.00 -	—
bulk, c.l., works	ton.	7.60 -	—
200 mesh, bgs., c.l., wks.,	ton.	8.50 -	—
l.c.l., works	ton.	9.50 -	15.50
wet grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works.	ton.	9.50 -	—
paper bgs., c.l., works.	ton.	12.50 -	—
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila.	ton.	19.00 -	24.00
powd., cks., l.c.l., ex whse.,	ton.	41.00 -	—
Chloral hydrate, jars, 1,000 lbs.	lb.	.96 -	.95
500 lbs.	lb.	.96 -	.98
100 lbs.	lb.	.98 -	1.00
25 lbs.	lb.	1.00 -	1.02
1-10 lbs.	lb.	1.05 -	1.07
dms., 1,000 lbs.	lb.	.90 -	.92
500 lbs.	lb.	.93 -	.95
100 lbs.	lb.	.95 -	.97
Chlorinated rubber,[6] standard, 100 lbs. or more, works.	lb.	.32 -	—
smaller lots	lb.	.35 -	—
Chlorine,[3,6] liquid, cycls., c.l., dlvd., N.Y.	lb.	.05¼-	—
contracts, dlvd. N.Y.	lb.	.05¼-	—
l.c.l., dlvd. N.Y.	lb.	.07¼-	—
tanks, single units, works, frt. equald. 100 lbs.		1.75 -	—
multiple units, 3 or over, works, frt. equald. 100 lbs.		2.00 -	—
2, works, frt. equalized. 100 lbs.		2.50 -	—
1, works, frt. equalized. 100 lbs.		3.00 -	—
Chloroform, tech., 650-lb. dms.	lb.	.20 -	—
100-lb. dms.	lb.	.22 -	—
50-lb. dms.	lb.	.23 -	—
USP, 650-lb. dms.	lb.	.30 -	—
100-lb. dms.	lb.	.32 -	—
50-lb. dms.	lb.	.33 -	—
Chlorpicrin, com'l, 180-lb. cyls., frt. alld.	lb.	.80 -	—
100-lb. cyls., frt. alld.	lb.	.82 -	—
25-lb. cyls., ex-whse.	lb.	1.00 -	—
1-lb. bots., case 2, ex-whse.,	lb.	1.25 -	—
Chrome acetate, powd., 24%, bbls.,	lb.	.22 -	—
solut., 8%, cs., bbls.	lb.	.07½-	—
7½%, cs., bbls	lb.	.06½-	—
Cake, bulk, c.l., works.	ton.	16.00 -	—
Ore., residue, paper bgs., c.l., works.	ton.	15.00 -	—
Oxide (see Green, chrome).			
Trioxide (see Acid, chromic).			
Yellow (see Yellow, chrome).			
Chrysarobin, 5-lb. bot.	lb.	6.03 -	7.00
Cinchona bark, quill, USP, 10 in., medium, cs.	lb.	1.20	Nom.
20 in., thick, cs	lb.	No stocks	
20 in., medium, cs.	lb.	No stocks	
broken quill, red, bgs.	lb.	.19	Nom.
yellow, bgs.	lb.	.19	Nom.
Cinchonidine,[5] small, crys., cns., 100 ozs.	oz.	.89 + .13½*	
Sulphate, NF, cns., 100 ozs.	oz.	.53 + .13½	

* Cinchonidine buyers must pay a surcharge of 13½c. per oz. to cover present war-risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine,[5] small cryst., cns., 100 ozs.	oz.	.62 + .13½*	
large cryst., cns., 100 ozs.	oz.	.66 + .13½	
Sulphate, NF, cns., 100 ozs.	oz.	.42 + .13½	

* Cinchonine buyers must pay a surcharge of 13½c. per oz. to cover present war-risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, bots., 1 to 5 lbs.	lb.	3.70 -	3.80
dms., 100 lbs.	lb.	3.50 -	—
50 lbs.	lb.	3.55 -	—
25 lbs.	lb.	3.60 -	—
Heavy density cinchophen 20c. per lb. higher.			
Cinnamic alcohol (see Alcohol, cinnamic).			
Cinnamon,[1] Ceylon, 2, bls.	lb.	.57 -	.58
0000, bls.	lb.	.5420-	.5450
00, bls.	lb.	.5245-	.5260
0, bls.	lb.	.5160-	.5180
No. 1	lb.	.5070-	.5100
No. 2	lb.	.4980-	.5000
No. 3	lb.	.4640-	.4660
Citral, bots., cns.	lb.	4.95 -	6.00
Citrine ointment,[3] jars	lb.	.98 -	1.00
Citronellal, bots., dms.	lb.	2.75 -	3.25
Citronellol, bots., dms.	lb.	6.00 -	7.00
Clove,[1] Zanzibar	lb.	.17¾-	.18¼
Clover tops, red, dom., bgs.	lb.	.21 -	.22
Coaltar, coal-gas, crude, bbls., c.l., works.	bbl.	8.25 -	—
l.c.l., works	bbl.	8.75 -	—
tanks, works	gal.	.07¼-	—
refd., bbls., c.l., works.	bbl.	8.75 -	—
l.c.l., works	bbl.	9.25 -	—
tanks, works	gal.	.08¼-	—
Coaltar, water-gas, crude, dms., c.l., works.	dm.	8.25 -	—
l.c.l., works	dm.	8.75 -	—
refd., dms., c.l., works.	dm.	9.25 -	—
Cobalt acetate,[6] bbls., kgs., dlvd.	lb.	.83¾-	—
feed grade, 23% Co., 100 lbs.	lb.	1.25 -	—
Carbonate,[6] powd., bgs., works,	lb.	1.58 -	—
feed grade, 49.5% Co., 100 lbs.	lb.	1.85 -	—
Chloride, kgs., works	lb.	.87½-	—
feed grade, 24.5% Co., 100 lbs.	lb.	1.25 -	—
Hydrate,[6] bbls.	lb.	2.04 -	—
feed grade, 62% Co., 100 lbs.	lb.	2.25 -	—
Linoleate, paste, 5%, dms.	lb.	.32 -	.35
solid, 8¼%, dms.	lb.	.44 -	—
Nitrate, feed grade, 20.4% Co.	100 lbs.	1.25 -	—
Oleate, bbls.	lb.	.44	Nom.
Oxide,[6] black, kgs.	lb.	1.84 -	—
Phosphate, feed grade, 34% Co., 100 lbs.	lb.	1.75 -	—
Resinate, fused A, bbls.	lb.	.15 -	—
1%, cobalt oxide, bbls.	lb.	.15 -	—
2%, cobalt oxide, bbls.	lb.	.16 -	—
3½%, cobalt oxide, bbls.	lb.	.18 -	—
precip., dms., dlvd.	lb.	.98 -	—
Sulphate,[6] dms.	lb.	.65 -	—
feed grade, 21% Co., 100 lbs.	lb.	1.00 -	—
Cobalt salts, feed grade, quotations are f.o.b. Philadelphia, Cleveland, or New York.			
Cobalt-Ammonium sulphate, 14% Co., 100 lbs.	lb.	.75 -	—
Cocaine, hydrochloride, 100 ozs., cns.	oz.	9.75 -	—
Cochineal, gray, bgs.	lb.	.37 -	.38
Teneriffe, silver, bgs.	lb.	.38 -	.39
Cocoa butter,[1] bulk, f.o.b. shipping point.	lb.	.23½-	—
Cocillana bark, bgs.	lb.	.20 -	.21
Codeine, cns., 100 ozs.	oz.	11.70 -	—
Hydrochloride, cns., 100 ozs.	oz.	10.50 -	—
Phosphate, cns., 100 ozs.	oz.	9.00 -	—
Sulphate, cns., 100 ozs.	oz.	9.50 -	—
Codliver oil (see Oil, codliver).			
Cohosh root, black, bls.	lb.	.09 -	.11
blue, bls.	lb.	.09 -	.10
Colchinine, bots., cns.	oz.	38.00 -	53.00
Colchicum seed, bgs.	lb.	No stocks	
Collodion, USP, dms., 325 lbs.	lb.	.19½-	.20¼
cns., 30 lbs.	lb.	.23 -	.29½
flexible, USP, dms., 325 lbs.	lb.	.21 -	.22
cns., 25 lbs.	lb.	.25 -	.31
Colocynth pulp, bls.	lb.	1.15 -	1.25
Colombo root, bls.	lb.	.10 -	.11
Coltsfoot leaves, bgs.	lb.	.90 -	1.00
Condurango bark, bgs.	lb.	.14 -	.15
Conium leaves, bls.	lb.	1.18 -	1.20
Copaiba, balsam, Para, cns.	lb.	.47 -	.49
S.A., USP, cns.	lb.	.50 -	.52
Copper acetate,[6] normal, bbls., dlvd.	lb.	.24 -	—
smaller containers, dlvd.	lb.	.26 -	.35
Carbonate,[6] 52-54%, bbls.	lb.	.19¼-	.20
Chloride,[6] anhyd., bbls.	lb.	.23¼-	.24
regular crystals	lb.	.12 -	.14¾
Cyanide,[6] tech., bbls.	lb.	.34 -	.38
Iodide, bots.	lb.	5.15 -	5.19
Metal,[1,3,6] electrolytic	lb.	.12 -	.12½
Nitrate, tech., cryst., bbls.	lb.	.16¾-	.20
Oleate, precip., bbls.	lb.	.22½-	.29½
Oxide,[6] black, bbls., tons, works,	lb.	.19¼-	.28¼
Red, com'l, kgs., f.o.b. N. Y.	lb.	.20 -	.22
Resinate, precip., bbls.	lb.	.15½-	.16
Sulphate,[6] 99%, cryst., bbls., c.l., f.o.b. works.	100 lbs.	5.15 -	5.30
l.c.l., 16-50 bbls., same basis,	100 lbs.	5.30 -	—
6-15 bbls., same basis.	100 lbs.	5.40 -	—
1-5 bbls., same basis.	100 lbs.	5.65 -	—
monohydrated, dms., c.l., dealers, f.o.b. works.	100 lbs.	9.20 -	—
l.c.l., dealers.	100 lbs.	10.20 -	—
Copperas, cryst., gran., bgs., c.l., works.	ton.	17.00 -	—
bbls., c.l., works.	ton.	20.00 -	—
l.c.l., 25 or over, works.	100 lbs.	1.55 -	—
1-4, works.	100 lbs.	2.00 -	—
bulk, c.l., works.	ton.	14.00 -	—
Copra, Coast, shipment.	lb.	No prices	
Coriander seed,[1] Morocco, bgs.,	lb.	.10¼-	.11
Indian, bgs.	lb.	.09¼-	.09¾
Corn silk, bls.	lb.	.20 -	.22
Corn sugar, tanners', chipped, bgs., c.l., dlvd.	100 lbs.	3.62 -	—
slabs, bbls., c.l.	100 lbs.	3.54 -	—
Syrup, 42°, bbls., c.l.	100 lbs.	3.69 -	—
43°, bbls., c.l.	100 lbs.	3.74 -	—
Corrosive sublimate,[2] cryst., dms., 50 lbs. or more.	lb.	2.39 -	—
gran., powd., dms., 50 lbs. or more.	lb.	2.24 -	—
Cottonroot bark, bls.	lb.	.13 -	.14
Cottonseed, hull ash,[1] 32-36% potash, bgs., dlvd.	unit-ton.	1.00 -	—
meal, 41% protein, Southeast mills, February delivery.	ton.	35.00 -	—
43% protein, same basis.	ton.	36.50 -	—
Coumarin, 25-lb. cns.	lb.	2.75 -	—
1-lb. cns.	lb.	2.90 -	—
1-oz. cns.	lb.	3.25 -	—
less than 5, cns.	lb.	4.15 -	4.65
Cramp bark, NF, bls.	lb.	.60 -	.75
Cranesbill root, bls.	lb.	.18 -	.19
Cream of tartar, USP, gran. or powd., bbls., 5,000 lbs. one shipm't.	lb.	.37½-	—
smaller lots, bbls.	lb.	.38 -	—
kgs.	lb.	.38½-	—
Creosote, beechwood, cbys., dms.	lb.	.80 -	.85
bots.	lb.	1.00 -	1.04
hardwood, USP, bots.	lb.	.60 -	.77
Pine, dms.	gal.	.28 -	—
Carbonate, bots., cbys.	lb.	2.10 -	2.30
Creosote oil, crude, tanks, works.	gal.	.15½-	—
Coaltar, solution, tanks, works.	gal.	.141 -	—
refd., bbls., l.c.l., works.	gal.	.26 -	—
tanks, works.	gal.	.18 -	.18½
Cresol,[6] special resin grade, dms., c.l., works, frt. equald.	lb.	.09½-	—
l.c.l., same basis.	lb.	.10 -	—
tanks, same basis.	lb.	.08¾-	—
USP, dms., c.l., works, freight equald.	lb.	.10¾-	—
l.c.l., same basis.	lb.	.11¼-	—
tanks, same basis.	lb.	.10 -	—
Crotonaldehyde, 97% 55 and 110 gals., l.c.l., works.	lb.	.15 -	—
5 and 10-gal. dms., works.	lb.	.18 -	—
Cryolite, syn., c.l. frt. alld. E. of Miss. River.	lb.	.08½-	—
l.c.l., works.	lb.	.09¼-	—
natural, c.l.	100 lbs.	9.50 -	—
l.c.l.	100 lbs.	10.00 -	—
Cube root,[3] powd., 5% rotenone, bbls., f.o.b. N.Y.C.	lb.	.35 -	—
4% rotenone prices are 4c. per lb. less.			
Cubeb berries, XX, bgs.	lb.	.70 -	.75
powd., cs.	lb.	.75 -	.80
Culver's root, bls.	lb.	.27 -	.28

Cumin seed, Cyprus, bgs.	lb.	.16 -	.16½
Morocco, bgs.	lb.	.15¾-	.16¼
Indian, bgs.	lb.	.12½-	.13
Persian, bgs.	lb.	.13½-	.14
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid	lb.	No stocks	
Cyanamid,[5,6] fertilizer grade for mixing purposes, guaranteed 21% N, pulv., bgs., Niagara Falls, Ont., contracts	unit-ton.	1.52½-	—
granular, fertilizer grade for mixing purposes, 20.6% N, bulk, Niagara Falls, Ont.	unit-ton.	1.62½-	—
Cyanide-chloride, mixture,[6] 45%, gran., dms.	lb.	.10¾-	—
lump, dms.	lb.	.09¾-	—
75%, gran., dms.	lb.	.15 -	—
Cyclohexane, 98-100%, dms., wks.	lb.	.16 -	—
Cyclohexanol, 98-100%, dms., wks.	lb.	.23 -	—
Cyclohexanone, 98-100%, dms., works.	lb.	.32 -	—
Cyclopropane, USP, cyls., divd.	gal.	.27 -	—

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Damiana leaves, bls.	lb.	.15 -	.16
Dandelion root, bls.	lb.	.32 -	.33
Decanol, normal, tech., 360 lbs., dms., divd.	lb.	.35 -	—
Deertongue leaves, bls.	lb.	.18 -	.19
Degras,[5] common, dom., bbls.	lb.	.10 -	.12
neutral, dom., bbls.	lb.	.26 -	.30
Derris root,[2] powd., 5% rotenone, bbls., f.o.b. N.Y.	lb.	.35 -	—
4% rotenone prices are 4c. per lb. less.			
Dextrin, British gum, c.l., f.o.b. Chicago	100 lbs.	4.25 -	—
l.c.l., f.o.b. Chicago	100 lbs.	4.35 -	—
corn, canary, bgs., c.l., f.o.b. Chicago	100 lbs.	4.00 -	—
l.c.l., f.o.b. Chicago	100 lbs.	4.20 -	—
white, bgs., c.l., f.o.b. Chicago	100 lbs.	3.95 -	—
l.c.l., f.o.b. Chicago	100 lbs.	4.15 -	—
potato, bgs., dom., c.l.	lb.	.10 -	—
l.c.l., bgs.	lb.	.10¼-	.11¾
Diacetone (see under Alcohol).			
Diacetyl, bots.	lb.	9.50	-11.00
Diamyl ether (see Amyl Ether).			
Phthalate,[5] dms., c.l., divd.	lb.	.22 -	—
l.c.l., divd.	lb.	.22½-	—
tanks, divd.	lb.	.21 -	—
Diamyl sulphate, l.c.l., dms., works.	lb.	.25 -	—
Diamylamine, dms., c.l., works.	lb.	.61 -	—
l.c.l., works.	lb.	.64 -	—
Diamylene, dms., c.l., works.	lb.	.105 -	—
l.c.l., works.	lb.	.112 -	—
tanks, works.	lb.	.095 -	—
Diamylnaphthalene, dms., l.c.l., works.	lb.	.17 -	—
Diamylphenol, 2:4, dms., c.l., works.	lb.	.18 -	—
l.c.l.	lb.	.21 -	—
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific coast	ton.	22.00	-25.00
l.c.l., ex whse.	ton.	45.00	- —
purified, bgs., c.l., f.o.b. Atlantic seaboard	ton.	55.00	-59.00
l.c.l., ex whse.	ton.	85.00	-90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard	lb.	.07 -	—
l.c.l., ex whse.	lb.	.10 -	.16
Diatomaceous earth, import, Algerian, bgs., c.l., c.i.f.	ton.	No prices	
Mexican, white, bgs., c.l., c.i.f.	lb.	.02 -	.03
l.c.l.	lb.	.04 -	.06
l.c.l.	lb.	.64 -	—
Dibutyl ether (see Ether, butyl).			
Phthalate,[5,6] dms., c.l., divd.	lb.	.21 -	—
l.c.l., divd.	lb.	.21½-	—
tanks, divd.	lb.	.20 -	—
cns., works.	lb.	.23½-	—
Sebacate, dms., works.	lb.	.45 -	.47
Tartrate, dom., dms.	lb.	.92 -	—
Dibutylamine, dms., c.l., works.	lb.	.61 -	—
Diacalcium phosphate (see Calcium phosphate dibasic).			
Dichloroethyl ether,[6] dms., c.l., works.	lb.	.15 -	—
l.c.l.	lb.	.16 -	—
tanks	lb.	.14 -	—
Diethylaniline, dms.	lb.	.40 -	—
Diethyl carbonate, com'l, dms.	lb.	.25 -	—
refd., 99%, dms.	lb.	.30 -	—
Oxalate, dms., l.c.l., divd.	lb.	.33 -	—
Phthalate,[5] dms., c.l., divd.	lb.	.22 -	—
l.c.l.	lb.	.22½-	—
tanks	lb.	.21 -	—
Sulphate, dms., c.l., works.	lb.	.15 -	—
l.c.l., works.	lb.	.14 -	—
tanks	lb.	.12 -	—
Diethylamino ethanol, l.c.l., dms., works, frt. alld. E. of Miss. River	lb.	.75 -	—
Diethyleneglycol,[5] dms., c.l., wks.	lb.	.14 -	—
l.c.l., works.	lb.	.15½-	—
Monobutylether, dms., works.	lb.	.22½-	.24½
Monoethylether, dms., c.l., wks.	lb.	.14½-	—
l.c.l., works.	lb.	.15½-	—
tanks, works.	lb.	.13½-	—
Digitalis leaves, dms.	lb.	.45 -	.50
Diglycol laurate, dms.	lb.	.31 -	.33
Oleate, light, bbls., c.l.	lb.	.17 -	—
Stearate, bbls., c.l.	lb.	.22 -	—
Di-isobutyl ketone, dms., works.	lb.	.19 -	—
Dillseed, cleaned, bgs.	lb.	.08¼-	.08¾
Dimethyl phthalate,[6] dms., c.l., divd.	lb.	.20-	—
l.c.l., divd.	lb.	.20½-	—
tanks, divd.	lb.	.19 -	—
Dimethylamine, dms., c.l., divd.	lb.	.85 -	—
l.c.l., divd.	lb.	.90 -	—
Dimethylaniline, dms., c.l.	lb.	.23 -	—
l.c.l., dms.	lb.	.24 -	—
Dinitrobenzene, bbls., 80° min.	lb.	.18 -	—
Dinitrochlorobenzene, dms.	lb.	.14 -	—
Dinitronaphthalene, kgs.	lb.	.35 -	.38
Dinitrophenol, bbls.	lb.	.22 -	—
Dinitrotoluene, dms.	lb.	.18 -	—
oily, dms.	lb.	.05 -	—
Diorthotoluoguanidin,[6] dms., 2,000 lbs. or over, divd.	lb.	.44 -	—
600-1,950 lbs., divd.	lb.	.46 -	—
150-450 lbs., divd.	lb.	.47 -	—
Dioxan, dms., c.l., frt. alld.	lb.	.20 -	—
l.c.l., same basis	lb.	.21 -	—
tanks, same basis	lb.	.19 -	—
Dip oil (see Tar acid oil).			
Dipentene, dms.	gal.	.59 -	.61
tanks	gal.	.51 -	—
dest., dist., dms.	gal.	.55 -	.58
tanks	gal.	.45 -	—
Diphenyl, bbls., c.l., works.	lb.	.15 -	—
l.c.l., works.	lb.	.16 -	.20
Oxide, perfume grade, dms.	lb.	.43 -	.45
cns.	lb.	.48 -	.50
Diphenylamine,[6] bbls.	lb.	.25 -	—
Diphenylguanidin,[6] dms., 2,000 lbs. or over, divd.	lb.	.35 -	—
600-1,950 lbs., divd.	lb.	.36 -	—
150-450 lbs., divd.	lb.	.37 -	—
Dimethylethyl carbinol (see Carbinol).			
Divi-Divi, Colombian	ton.	80.00 -	—
Venezuelan	ton.	80.00 -	—
Doggrass root, imp., cut, NF, bls.	lb.	.50 -	1.50
domestic, bls.	lb.	.36 -	.45
Dogwood bark, Jamaica, bls.	lb.	.07 -	.09
Dover's powder, USP, cns.	lb.	2.75 -	2.80
Dragon's blood, reeds, cs.	lb.	.95 -	1.00
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—			
Blue, FD&C blue, No. 1, cns.	lb.	13.50 -	—
FD&C blue, No. 2, cns.	lb.	13.50 -	—
Green, FD&C green, No. 2, cns.	lb.	17.50 -	—
FD&C green, No. 3, cns.	lb.	27.50 -	—
FD&C blue, No. 2, cns.	lb.	13.50 -	—
Orange, FD&C orange, No. 1, cns.	lb.	2.90 -	—
FD&C orange, No. 2, cns.	lb.	3.65 -	—
Red, FD&C red, No. 1, cns.	lb.	6.00 -	—
FD&C red, No. 2, cns.	lb.	3.15 -	—
FD&C red, No. 3, cns.	lb.	17.50 -	—
FD&C red, No. 4, cns.	lb.	5.75 -	—
FD&C red, No. 32, cns.	lb.	4.15 -	—
Yellow, FD&C yellow, No. 1, cns.	lb.	8.50 -	—
FD&C yellow, No. 3, cns.	lb.	2.65 -	—
FD&C yellow, No. 4, cns.	lb.	2.65 -	—
FD&C yellow, No. 5, cns.	lb.	3.15 -	—
FD&C yellow, No. 6, cns.	lb.	3.15 -	—
Dyes, coaltar (certified colors), for drugs and cosmetics:—			
Black, D&C black, No. 1	lb.	8.35 -	—
Blue, D&C blue, No. 6	lb.	13.50 -	—
Brown, D&C brown, No. 1, cns.	lb.	12.35 -	—
Green, D&C green, No. 5, cns.	lb.	12.35 -	—
D&C green, No. 6, cns.	lb.	12.35 -	—
Orange, D&C orange, No. 3, cns.	lb.	8.35 -	—
D&C orange, No. 4, cns.	lb.	15.35 -	—
D&C orange, No. 10, cns.	lb.	15.85 -	—
D&C orange, No. 12, cns.	lb.	17.35 -	—
Red, D&C red, No. 5	lb.	6.00 -	—
D&C red, No. 17	lb.	8.35 -	—
D&C red, No. 18	lb.	18.35 -	—
D&C red, No. 19, cns.	lb.	15.35 -	—
D&C red, No. 22, cns.	lb.	8.35 -	—
D&C red, No. 33, cns.	lb.	13.35 -	—
D&C red, No. 37, cns.	lb.	12.35 -	—
Yellow, D&C yellow, No. 7, cns.	lb.	8.35 -	—
D&C yellow, No. 8, cns.	lb.	8.35 -	—
D&C yellow, No. 11	lb.	10.35 -	—
Dyes, coaltar (certified colors), for external use drugs and cosmetics:—			
Blue, Ext. D&C blue, No. 1, cns.	lb.	12.35 -	—
Green, Ext. D&C green, No. 1, cns.	lb.	12.35 -	—
Red, Ext. D&C red, No. 1, cns.	lb.	10.35 -	—
Ext. D&C red, No. 3	lb.	21.85 -	—
Ext. D&C red, No. 8	lb.	7.35 -	—
Ext. D&C red, No. 10, cns.	lb.	12.85 -	—
Ext. D&C red, No. 13, cns.	lb.	12.35 -	—
Yellow, Ext. D&C yellow, No. 1, cns.	lb.	8.35 -	—
Dyes, coaltar, for general uses (numbers are those of Colour Index Scale):—			
36 Chrome yellow 2G	lb.	.65 -	.70
40 Chrome yellow R	lb.	.50 -	1.00
53 Victoria violet	lb.	.80 -	1.00
165 Lake red C	lb.	.70 -	.80
170 Fast red A[6]	lb.	.56 -	.60
Dyes, coaltar, for general uses (numbers are those of Colour Index Scale):—			
180 Fast red VR	lb.	1.50 -	1.60
189 Lake red R, paste	lb.	.85 -	.90
189 Lake red R, powd.	lb.	3.00 -	3.10
Sulphur tan	lb.	.30 -	.50
202 Chrome blue black U	lb.	.35 -	.42
204 Chrome black A	lb.	.42 -	.45
208 Fast red blue R	lb.	.75 -	2.00
216 Chrome red B	lb.	1.75 -	2.00
262 Cloth red 2B	lb.	.60 -	.80
289 Fast cyanin 5R	lb.	.90 -	1.00
299 Chrome black F	lb.	.85 -	.88
307 Fast cyanin black B	lb.	.80 -	.85
326 Direct cast scarlet	lb.	2.00 -	2.25
304 Paper yellow	lb.	.83 -	.90
365 Chrysophenin G	lb.	.58 -	.70
394 Direct violet N	lb.	.80 -	.85
382 Direct scarlet B	lb.	1.15 -	1.20
387 Direct violet B	lb.	1.00 -	1.30
401 Developed black BHN.	lb.	.45 -	.60
406 Direct blue 2B	lb.	.66 -	.70
415 Direct orange B	lb.	.69 -	.70
419 Direct fast red F	lb.	.70 -	.73
420 Direct brown M	lb.	.55 -	.57
448 Benzo purpurin 4B	lb.	.65 -	.67
495 Benzo purpurin 10B	lb.	.40 -	.50
502 Direct azcrin G	lb.	.75 -	.80
512 Direct blue RD	lb.	.80 -	1.00
518 Direct pure blue 6B	lb.	1.20 -	1.30
520 Direct pure blue	lb.	.50 -	1.00
529 Direct fast black FF	lb.	.55 -	1.00
581 Direct black EW	lb.	.50 -	.54
582 Direct black RX	lb.	.35 -	.45
592 Direct green B	lb.	.50 -	.55
594 Direct green G	lb.	.50 -	.55
596 Direct brown 3GO	lb.	.85 -	1.00
620 Direct yellow R	lb.	1.25 -	1.50
698 Acid violet	lb.	1.00 -	3.00
812 Primulin	lb.	.70 -	.73
814 Direct fast yellow	lb.	2.00 -	2.25
845 Nigrosin (water soluble)	lb.	.35 -	.50
1177 Indigo, 20% paste	lb.	.15 -	.18
Benzo fast black L	lb.	.90 -	1.00
Sulphur black	lb.	.20 -	.25
Sulphur blue	lb.	.45 -	1.00
Sulphur brown	lb.	.25 -	.50
Sulphur maroon	lb.	.40 -	—
Sulphur olive	lb.	.25 -	.54
Sulphur yellow	lb.	.30 -	.50
Zambesi black	lb.	.75 -	.80
Dyes, coaltar, for stains, oil-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).			
Black:—			
865 Nigrosin derivatives	lb.	.36 -	.44
Blue:—			
1075 Alizarin astrol base	lb.	15.00 -	—
1078 Alizarin cyanin green base	lb.	6.00 -	—
Brown:—			
Brown	lb.	1.15 -	—
Green:—			
1078 Alizarin cyanin green	lb.	5.00 -	—
Green	lb.	.75 -	—
Orange:—			
24 Sudan I	lb.	.75 -	—
Red shade	lb.	.75 -	—
Red:—			
75 Sudan II	lb.	1.05 -	—
258 Sudan IV	lb.	.95 -	—
749 Rhodamine B (oil pink)	lb.	2.50 -	—
1080 Anthraquinone,[6] violet base	lb.	6.00 -	—
680 Oil violet	lb.	.50 -	—

Noel

To our friends here and abroad

whom we may not be able to greet

in person this year, we extend

Season's Greetings

ENCO CHEMICAL CORPORATION

441 LEXINGTON AVENUE NEW YORK, N. Y.

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).

Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - 2.00

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c per lb. higher, f.o.b. sellers' works or warehouse).

Black:—
246 Naphthol blue black S.lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
729 Victoria blue B.....lb. 1.35 - —
861 Indulin .....lb. .37 - —
909 New blue P.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1034 Alizarin saphirol B..lb. 1.90 - —
1180 Indigotin IA.....lb. .35 - —

Blue:—
714 Patent blue A.....lb. 1.05 - 1.10

Brown:—
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G...lb. .47 - .62
332 Bismarck brown R...lb. .47 - .62
798 Phosphin .....lb. 4.65 - —

Green:—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B...lb. 1.55 - —
1078 Alizarin cyanin green.lb. 2.00 - —

Orange:—
10 Chrysoidin G.....lb. .44 - —
21 Chrysoidin R.....lb. .41 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .31 - .33
161 Orange R.....lb. .34 - —
31 Amidonaphthol red G.lb. .42 - —
37 Amidonaphthol red 6B, lb. .68 - —

Red:—
79 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A[6].....lb. .54 - —
179 Azorubin .....lb. .60 - —
183 Crocein scarlet 3BX..lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crosein M...lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6B.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —

Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —

Yellow:—
10 Naphthol yellow S....lb. .88 - —
138 Metanil yellow.....lb. .56 - .58
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow...lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —

Dyes, coaltar, for stains, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher, f.o.b. sellers' works or warehouse).

Black:—
864 Nigrosin .....lb. .36 - .44

Blue:—
860 Indulin .....lb. .60 - .70

Brown:—
331 Bismarck brown.....lb. 1.50 - —

Green:—
637 Malachite green base.lb. 2.00 - —

Orange:—
20 Chrysoidin G.....lb. .96 - —
21 Chrysoidin R.....lb. .96 - —

Red:—
677 Fuchsin, magenta, base. lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —

Yellow:—
67 Amidoazotoluene yellow. lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —

Violet:—
680 Methyl violet base....lb. .85 - —

Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .19 - .22
Egg albumen (see Albumen).
yolk, dried, dom., bbls....lb. 1.00 - 1.10
imported .....lb. 1.00 - 1.10
Elder flowers, bright, bls.....lb. .77 - .78
Elecampane root, bls.....lb. .18 - .19
Elm bark, grinding, bls.....lb. .14 - .15
powd., bbls., bxs.....lb. .20 - .21
select, bndls.....lb. .19 - .20
Emetine hydrochloride, bots..oz.33.00 -34.50
Ephedra, bls.....lb. .21 - .22
Ephedrine, natural, USP, anhydrous, bots..oz. 1.15 - 1.65
Hydrochloride or sulphate, tins .....oz. .95 - 1.45
synth, USP, hemihydrate, bots., 100 ozs. or more..oz. .65 - —
Ephedrine, synth., USP, anhyd., bots., 100 oz. or more..oz. .65 - —
Hydrochloride, tins, 100 ozs. or more..oz. .50 - —
Sulphate, cryst., tins, 100 ozs. or more..oz. .48 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
Epsom salt prices on technical and USP are on the basis of freight equalized with Balto., Carteret, N. J., Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l. .....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots....100 lbs. 2.85 - —
dried, bgs., l.c.....lb. .08 - 09
Ergot, USP, cns., dms., ton lots, lb. 1.25 - 1.35
smaller lots.....lb. 1.40 - 1.75
Eserine, bots.....oz. No prices.
Salicylate, bots.....oz.41.00 -48.00
Sulphate, bots.....oz.41.00 -48.00
Ether, acetic (see Ethyl acetate).
Amyl (see Amyl, ether).
Butyl, l.c.l., dms., dlvd.....lb. .30 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .93 - 1.10
Sulphuric, conc., 310-lb. dms., lb. .11 - —
27-lb. dms. .....lb. .15½- .16
Ether, USP, anesthesia, hospitals, 1-lb. cns..lb. .60 - .61
Synth., dms., c.l., works....lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks .....lb. .12½- —
Ethyl acetate,[2] 85-90%, dms., c.l., frt. alld..lb. .12 - .13
l.c.l., frt. alld.....lb. .12½- 13⅛
tanks, frt. alld.....lb. .11 - .12
95 98%, dms., c.l., frt. alld.lb. .12¾- .13⅛
l.c.l., frt. alld.....lb. .12¾- .13⅝
tanks, frt. alld.....lb. .11½- .12¾
NF, 390-lb. dms. .....lb. .14½- .15½
Acetoacetate, dms., c.l., works, lb. .37½- —
l.c.l., frt. alld.....lb. .38 - —
Benzoate, bots.....lb. .90 - 1.00
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns. .....lb. 1.30 - 1.40
Chloride, dms. .....lb. .18 - .20
Cinnamate, cns. .....lb. 3.50 - 3.75
Formate, cns., dms.....lb. .27½- —
Iodide, bots. .....lb. 3.50 - 3.60
Lactate, 55 gal. dms., works, lb. .33½- —
5-gal. dms., works.....lb. .37½- .39⅛
Myristate, dms., works.....lb. .56 - —
Oleate, dms., works.....lb. .47 - —
Oenanthate, dms. .....lb. .75 - 1.25
Oxalate, dms., frt. alld.....lb. .33 - —
Oxyhydrate, bots. .....gal. 7.50 - 8.00
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. lots, cns....lb. 5.25 - —
5-lb. lots, cns.....lb. 5.30 - —
1-lb. lots, cns.....lb. 5.40 - —
Ethylcellulose,[6] std., pkgs., 5,000 lbs. or more, works..lb. .50 - —
less than 5,000 lbs., same basis..lb. .52 - .60
Ethyldiethanolamine, l.c.l., dms., works..lb. .50 - —
Ethylene, dichloride,[3] dms., c.l., works, E. of Rockies, frt. alld..lb. .0842- —
West of Rockies, same basis..lb. .0891- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0891- —
West of Rockies, same basis..lb. .0941- —
tanks, same basis, E. of Rockies..lb. .0743- —
W. of Rockies.....lb. .0792- —
Ethyleneglycol,[6] dms., c.l.....lb. .15½- —
l.c.l. .....lb. .16½- .19½
tanks .....lb. .14½- —
Monobutylether, dms., c.l., wks. lb. .16½- —
l.c.l., works.....lb. .17½- .20½
tanks, works .....lb. .15½- —
Monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- .16½
tanks, works .....lb. .14½- —
Ethylethanolamine, dms., c.l., works..lb. .57 - —
l.c.l., works.....lb. .60 - —
Ethylmorphine hydrochloride, bots., 5 oz..oz.10.75 - —
cns., 25 ozs.....oz 10.55 - —
Ethylidinanilin, dms. .....lb. .45 - .47½
Ethylmonoethanolamine, l.c.l., dms., works..lb. .50 - —
Eucalyptol, cns., dms.....lb. 2.00 - 2.50
Eucalyptus, leaves, bls.....lb. .10 - .12
Eugenol, cns., dms.....lb. 2.75 - 2.80
Euphorbia, bls. .....lb. .12 - .18

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons...ton.17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -12.25
l.c.l., minimum 2 tons...ton.12.75 -16.25
pottery, bulk, Me., works...ton.17.00 -19.00
N.C., works.....ton.17.00 -19.00
l.c.l., minimum 2 tons, ton..20.00 -22.00
Fennel seed, Indian, bgs.....lb. .06½- .09
Fenugreek seed, bgs.....lb. .09¾- 09¼
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colored, cs., 50 lbs. or over, works..lb. .13½- .14
smaller lots, works.....lb. .15 - —
water white, cs., 50 lbs. or over, works..lb. .14½- .15
smaller lots, works.....lb. .17 - —
Fir, balsam, Canada, cns....gal.19.00 -20.00
Oregon, bbls.....gal. 1.85 - 2.25
Fish berries, bgs.....lb. .24 - .25
Fish[1] meal, grd., bgs., East Coast fish factories..ton.72.50 - —
scrap, menhaden, new catch, dried, 60% protein, bulk, East Coast fish factories.ton.66.50 - —
acid, 6-7% ammon., 3% a.p.a., bulk, Carolina and Florida fish factories.....unit-ton. No prices
Long Island fish factories, unit-ton. No prices
Flake white, dom., bbls.....lb. .09 - —
kegs .....lb. .11 - —
Fleaseed, French, black, bgs..lb. .65 - .70
Indian, blonde, bgs.....lb. .15 - .17
Fluorspar, dom.,[1] No. 1 ground, 95-98%, bulk, c.l., f.o.b. mines..et ton.34.00 - —
bgs., c.l., f.o.b. mines..ton.36.40 - —
washed gravel, 85.5%, f.o.b. Ky. and Ill.-Ky. mines, net ton.25.00 - —
No. 2 lump, 85.5%, f.o.b. Ky. and Ill. mines.....net ton.25.00 - —
crude, 70% f.o.b. N. Mex., mines..net ton.10.00 - —
85%, f.o.b., Colorado mines, net ton.11.50 - —
imported, 85.5%, duty paid.... short ton.26.00 - —
Formaldehyde,[1,3,6] bbls., c.l., works..lb. .0550- .0575
l.c.l., works .....lb. .06 - .0625
dms., c.l., works.....lb. .0515- .0540
l.c.l., works.....lb. .0565- .0590
tanks .....lb. .04 - .04¼
Formaldehyde prices are under 4½c. to 9½c. OPA ceiling.
Fringetree bark, bls.....lb. .30 - .40
Fullers earth, dom., powdered, bgs., c.l., f.o.b. Fla., Ga., mines..ton. 8.50 -15.00
f.o.b. Tex., mines.....ton.12.50 - —
import, Eng., bgs., c.l., dlvd. N. Y...ton.30.00 -40.00
Fumitory herb, bls.....lb. .58 - .60
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
dms., c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, crude, dms., incl., works..gal. .75 - —
refd., dms., incl., dlvd....lb. .18¼- .19½
Fustic, cryst., bags, No. 1....lb. .32 - —
No. 2..lb. .30 - —
No. 3..lb. .28 - —
extract, bbls., No. 1.....lb. .16 - —
No. 2 .....lb. .15 - —
No. 3 .....lb. .12½- —

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .28 - .30
Gambier, common, cases.....lb. No prices.
plantation, cases.....lb. No prices.
cubes, Singapore, cases...lb. .30 Nom.
extract, bbls. .....lb. .09½- .12
Gasoline[1] at refinery:—
Bayonne, US motor, 65 octane, tanks, ex tax..gal. .0895- —
72-74 octane, ex tax.....gal. .092 - —
California 78 octane at refineries, tanks..gal. .075 - —
Gulf Coast, US motor, 72-74 octane, tanks, ex tax..gal. .05⅝- —
Arkansas, US motor, 72-74 octane, leaded, tanks, car lots, ex tax..gal. .06 - —
Group 3, 72-74 octane, tanks, gal. .05⅛- .06
Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax, gal. .05⅛- .06
natural, 26-70, Group 3, tanks..gal. .03⅜- —
Gelatin, silver, cs.....lb. .90 - .97
Gelsemium root, bls.....lb. .15 - .19
Gentian root, bls.....lb. .55 - .65
grd., bbls., bxs.....lb. .58 - .67
powd., bbls., bxs.....lb. .60 - .69
Geraniol, 92-96%, cns, dms....lb. 3.50 - 4.50
Ginger,[1] African, No. 1, bls...lb. .28 - .29
Calicut, bgs.....lb. .24 - .25
Cochin, bleached, bgs.....lb. .25 - .26
unbleached, bgs.....lb. .24 - .25
Jamaica, No .1, bgs.....lb. .43 - .44
No. 2, bgs.....lb. .33½- .39
No. 3, bgs.....lb. .33 - .39
Ginseng root, wild Southern, cs., lb.12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. 1.05 - 1.25
5 tons or over, works.. 100 lbs. 1.15 - 1.35
less than 5 tons, works.. 100 lbs. 1.25 - 1.45
import, bgs. .....100 lbs. No prices.
Glue, bone, calcimine type, 2s millipoise, 36 jelly-grams, bgs., c.l., East of Midwest..lb. .16 - —
l.c.l. .....lb. .17 - —
30/58, bgs., c.l.....lb. .15½- —
l.c.l. .....lb. .16½- —
58/82, bgs., c.l.....lb. .17 - —
l.c.l. .....lb. .18 - —
82/108, c.l. .....lb. .18½- —
l.c.l. .....lb. .19 - —
hide,[1] 100-121 jelly test in grams, bgs., c.l., dlvd....lb. .14 - —
bbls., c.l., dlvd.....lb. .14½- —
122-149, bgs., c.l., dlvd....lb. .15 - —
bbls., c.l., dlvd.....lb. .15½- —
150-177, bgs., c.l., dlvd....lb. .16 - —
bbls., c.l., dlvd.....lb. .16½- —
178-206, bgs., c.l., dlvd....lb. .17 - —
bbls., c.l., dlvd.....lb. .17½- —
207-236, bgs., c.l., dlvd....lb. .18 - —
237-266, bgs., c.l., dlvd....lb. .19 - —
bbls., c.l., dlvd.....lb. .19½- —
267-298, bgs., c.l., dlvd....lb. .20 - —
bbls., c.l., dlvd.....lb. .20½- —
299-330, bgs., c.l., dlvd....lb. .21 - —
bbls., c.l., dlvd.....lb. .21½- —
331-362, bgs., c.l., dlvd....lb. .22 - —
bbls., c.l., dlvd.....lb. .22½- —
363-394, bgs., c.l., dlvd....lb. .23 - —
bbls., c.l., dlvd.....lb. .23½- —
395-427, bgs., c.l., dlvd....lb. .24 - —
bbls., c.l., dlvd.....lb. .24½- —
428-460, bgs., c.l., dlvd....lb. .25 - —
bbls., c.l., dlvd.....lb. .25½- —
461-494, bgs., c.l., dlvd....lb. .26 - —
bbls., c.l., dlvd.....lb. .26½- —
495-529, bgs., c.l., dlvd....lb. .27 - —
bbls., c.l., dlvd.....lb. .27½- —

Hide glue transportation charges in excess of 75c. per hundredweight may be added. Prices are those established for sale by producers; prices for glue sold by jobbers are 2c. to 3½c. per pound higher according to grade. Less car lot prices are 1c. per pound higher than car lot. Maximum prices for chrome glue and coney glue in carload lots, wherein the jelly test in grams is 267 or higher, are 2c. per pound higher than the prices established above, while those for these glues, wherein the jelly test is below 267, are 1c. per pound higher than the above prices.

Glycerin[1], Zones A and C, C.P.,* (B.P. 99%), drums, car lots, dlvd..lb. .18¾- —
less car lots, dlvd..lb. .19¼- —
tanks, dlvd.....lb. .18½- —
C.P.* (USP 95%), drums, car lots, dlvd..lb. .18¼- —
less car lots, dlvd..lb. .18¾- —
tanks, dlvd .....lb. .18 - —
dynamite,* high gravity, yellow, distilled, drums, car lots, dlvd..lb. .18¼- —
less car lots, dlvd..lb. .18¾- —
tanks, dlvd. .....lb. .18 - —
saponification, 88%, to refiners, dms., c.l., dlvd..lb. .12¾- —
less car lots, dlvd..lb. .12¾- —
tanks, dlvd. .....lb. .12¾- —
to individual users, dms., c.l., f.o.b. point of manufacture..lb. .13⅜- —
less car lots, same basis, lb. .14⅜- —
tanks same basis.....lb. .12¾- —
soaplye, 80%, drums, car lots, dlvd..lb. .11½- —
less car lots, dlvd..lb. .11½- —
tanks, dlvd. .....lb. .11¼- —

Glycerin prices in Zone B are 2c. higher.

Zone A means all points east of and including N. Dak., S. Dak., Neb., Kansas, Omaha, Texas, Laramie County, Wyo.; Col.; east of but not including the following counties:—Jackson, Grand, Gilpin, Jefferson, Douglass, Teller, Fremont, Custer, Huerfano, and Costilla.

Zone B means the territory between Zones A and C, as follows:—Washington, east of and including the following counties:—Okanogan, Chelan, Kittitas, Yakima, Klickat; Ore., east of and including the following counties:—Hood River, Wasco, Jefferson, Deschutes, Klamath; Nev., Ariz., New Mex., that part of Col. west of and including those counties mentioned above; Utah, Wyo., excepting Laramie County; Idaho and Mont.

Zone C means the territory west of Zone B.

*Note.—Sales of glycerine to U. S. government are at prices 1c. below the above prices on C.P., and dynamite glycerin.

Glycine, medicinal, bbls., tins..lb. 1.70 - 2.00
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms. .....lb. .33 - —
Stearate, dms. .....lb. .26 - —
Gold, U. S. purchase price.....oz.35.00 - —
Chloride, acid brown, bots..oz.20.75 -21.00
yellow, bots. .....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure seed, bgs....lb. .30 - .32
Goldenseal root, bls.....lb. 4.60 - 4.70
powd., bxs.....lb. 4.90 - 5.00
Grains of Paradise, bgs.....lb. .28 - 38
Graphite,[6] flake (cryst.), 90%, 325 mesh, 50% graphitic, carbon, bgs., c.l., works..lb. .07 - —
bbls., c.l., works.....lb. .07¼- —
l.c.l., works.....lb. .07½- —
65% graphitic, carbon, bgs., c.l., works..lb. .03½- —
l.c.l., works.....lb. .03¾- —
bbls., c.l., works.....lb. .02¾- —
85% graphite, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04¼- —
Grease,[1,3] house, loose.....lb. .03½- —
white, loose .....lb. .09¾- —
Wool (see Adeps lanae and Degras).
Green,[3] chrome, CP, dark, light, medium blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .23 - —
6-10%, bbls., same basis.lb. .24 - —
11-15%, bbls., same basis.lb. .25 - —
16-20%, bbls., same basis.lb. .25½- —
21-25%, bbls., same basis.lb. .26 - —
26-30%, bbls., same basis.lb. .26½- —
31-35%, bbls., same basis.lb. .27½- —
36-40%, bbls., same basis.lb. .29 - —
41-45%, bbls., same basis.lb. .30½- —
46-50%, bbls., same basis.lb. .33 - —
reduced color, 5%, same basis, lb. .06¾- —
9-10%, bbls., same basis.lb. .07½- —
11-13%, bbls., same basis.lb. .08 - —
14-16%, bbls., same basis.lb. .08¼- —
17-19%, bbls., same basis.lb. .08½- —
20-21%, bbls., same basis.lb. .08¾- —
22-25%, bbls., same basis.lb. .09 - —
24-25%, bbls., same basis.lb. .09¼- —
26-27%, bbls., same basis.lb. .09½- —
28-29%, bbls., same basis.lb. .10 - —
30-31%, bbls., same basis.lb. .10¼- —
32-33%, bbls., same basis.lb. .12 - —
34-35%, bbls., same basis.lb. .13 - —
36-40%, bbls., same basis.lb. .14 - —
41-45%, bbls., same basis.lb. .17 - —
46-50%, bbls., same basis.lb. .17½- —
51-55%, bbls., same basis.lb. .18 - —
56-60%, bbls., same basis.lb. .18½- —
61-65%, bbls., same basis.lb. .19 - —
66-70%, bbls., same basis, lb. .20 - —
71-75%, bbls., same basis.lb. .21 - —

Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Chrome oxide, drums, pure, works..lb. .24 - —
Tetrahydroxide, bbls. .....lb. .35 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 3.75 - —
emerald, kgs. .....lb. 2.60 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .11 - .13
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. 1.50 - 1.60
Wood, bls. .....lb. .05 - .06
Guaiacol, liq., dms.....lb. 1.75 - 2.01
Carbonate, flb. dms.....lb. 2.40 - 2.74
Guarana, powd., cs.....lb. 1.20 - 1.30
Gum aloe (see A).
Ammoniac, tears, cs.....lb. 1.20 - 1.25
Arabic, amber sorts, cleaned, bgs..lb. .14½- .15
powd., bbls.....lb. .20 - .21
white, sorts, 1, bgs.....lb. .33 - .35
Asafetida (see A).
Aspraltum (see A).
Benzoin, Siam, cs.....lb. 4.50 - 4.75
Sumatra, cs.....lb. .50 - .55
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. .40 - .42
Copal, Congo, No. 1, unsorted.lb. .14⅜- —
No. 2, unsorted.....lb. .12⅜- —
No. 3, unsorted.....lb. .11¼- —
Sorted, Nos. 1 to 28, not available in New York area.
Sorted, No. 30, c.l.....lb. .55⅝- .56¼
No. 31, same basis.....lb. .21½- .21⅝
No. 32, same basis.....lb. .15⅜- .16¼
No. 33, same basis.....lb. .14 - .14⅛
No. 34, same basis.....lb. .09¼- .09⅝
No. 35, same basis.....lb. .15⅞- .16⅛
No. 36, same basis.....lb. .12⅝- .13⅛
No. 37, same basis.....lb. .18¼- .18⅝
No. 30, same basis.....lb. .12¼- .12⅝
No. 39, same basis.....lb. .10⅝- .11⅛
No. 40, same basis.....lb. .08 - .08½
No. 41, same basis.....lb. .11⅝- .12⅛

On lots of 10 packages or more, prices are ¼ cent per pound higher than the above carload lot prices; on lots of less than 10 packages, prices are an additional ¼ cent per pound (½ cent per pound altogether) higher than these car-load lot qutations.

The following quotations on Manila, Philippine, Singapore and Pontianak grades are merely nominal as these gums are now unavailable here:—

Manila, Boeas, amber and dark..lb. .14½- —
Boeas, Macassar, light....lb. .15½- —
Loba, A.....lb. .14 - —
B .....lb. .13¾- —
C .....lb. .13¾- —
CBB .....lb. .12 - —
CNE .....lb. .10 - —
D .....lb. .12¾- —
DBB .....lb. .11 - —
Du .....lb. .08⅞- —
DK .....lb. .09½- —
dust .....lb. .07¾- —
MA .....lb. .09¾- —
MB .....lb. .09¼- —
WS .....lb. .11⅜- —

Gum, copal, Philippine, amber, sorts..lb. .10½- —
extra pale sorts.....lb. .12¾- —
nubs .....lb. .13¾- —
pale chips.....lb. .13 - —
scraped .....lb. .15 - —
seeds and dust.....lb. .08¾- —
small pale chips.....lb. .11¾- —
Sambas and white split chips lb. .15½- —
Singapore dust.....lb. .08¾- —
spirit soluble, CBB.....lb. .12 - —
DBB .....lb. .11 - —
MA .....lb. .09¾- —
MB .....lb. .09¼- —
WS .....lb. .12¼- —
Pontianak, bold, genuine..lb. .22¾- —
chips .....lb. .12¾- —
mixed .....lb. .17¾- —
nubs .....lb. .18¾- —
split .....lb. .19¼- —
Dammar, Batavia A.....lb. .35¾- —
A/C .....lb. .31¼- —
A/D .....lb. .28¾- —
A/E .....lb. .25¾- —
B .....lb. .34¾- —
C .....lb. .28¾- —
D .....lb. .25¾- —
dust .....lb. .13¾- —
E .....lb. .18¾- —
F .....lb. .13¾- —
dust .....lb. .13¾- —
Singapore, No. 1.....lb. .30¾- —
2 .....lb. .25¾- —
3 .....lb. .12¾- —
chips .....lb. .23½- —
dust .....lb. .13 - —
seeds .....lb. .17¾- —
East Indian, Batu, bold, scraped..lb. .10¼- —
nubs and chips.....lb. .05¾- —
black, bold, scraped.....lb. .12 - —
unscraped .....lb. .07½- —
nubs and chips.....lb. .07¾- —
chips .....lb. .11½- —
Hiroe, pale bold.....lb. .17¾- —
nubs .....lb. .13¾- —
Rasak, bold.....lb. .22¾- —
chips .....lb. .11¾- —
nubs .....lb. .16¾- —

Importers have been authorized by OPA's amended order M-63 to add to the above prices charges of approximately 8⅛% for freight, marine and war risk insurance.

Gums, copal, Congo and Pontianak are packed in bgs.; Manila copal gums are packed in baskets; dammar gums are packed in cases; East India gums are packed in bgs.; gum elemi is packed in cans. Prices are in carload lots, ex dock or ex whse., San Francisco or New York. L.c.l. prices are ¼c. to ½c. per lb. higher.

Elemi .....lb. .08¾- —
Ester, ordinary, carload lots, N. Eng., Middle Atlantic States, Va., W. Va., N. C., Ky., Ohio, Mich.; Ind., Ill., Wis., St. Paul and Minneapolis, Minn., and St. Louis, Mo., f.o.b. cars, destination.....lb. .09½- —
other points.....lb. .10 - .11
ten drums, N. Eng., etc..lb. .09¾- —
other points.....lb. .10½- .11¾
single dms., N. Eng., etc.lb. .10 - —
other points.....lb. .10¾- .12

Ester gum spot prices are ½c. per pound higher.

Euphorbium, cs.....lb. 1.50 Nom.
Galbanum, cs.....lb. 1.60 - 1.65
Gamboge, pipe, cs.....lb. 2.30 - 2.35
powd., bbls.....lb. 2.50 - 2.55

Gum, Ghatti, soluble, bgs.....lb. .11 - .15
Gualac (see Guaiac resin).
Karaya, bbls., bxs., dms.....lb. .14 - .33
Kauri, Bush, bold.....lb. .40 - —
assorted .....lb. .35 - —
chips .....lb. .32 - —
dark .....lb. .18 - —
bright .....lb. .18 - —
BXXX .....lb. .77 - —
B1 .....lb. .34 - —
B2 .....lb. .30 - —
B3 .....lb. .27½- —
80% chips.....lb. .16 - —
XXX .....lb. .66 - —
1 .....lb. .43 - —
2 .....lb. .31 - —
3 .....lb. .22 - —

Gum Kauri prices are for carload lots, packed in cases, ex dock or ex whse. San Francisco or New York. L.c.l. prices are ½c. to ½c. per pound higher. On arrivals of gum kauri since June 1, importers have been authorized by OPA's amended order M-63 to add to the above prices charges of approximately 8⅛% for freight, marine and war risk insurance.

Kino, tins.....lb. No prices
Locust bean, powd., bbls....lb. 1.10 - 1.15
Mastic, cs.....lb. 3.50 - 3.75
Myrrh, USP, cs.....lb. .75 - .76
Olibanum, siftings, cs.....lb. .11½- .13
tears, cs.....lb. .18 - .35
Opium (see O).
Rosin (see R).
Sandarac, cks.....lb. .95 - .97½
Scammony, cs.....lb. 1.30 - 1.35
Talha, bgs.....lb. .10 - .11
Tragacanth, Aleppo, No. 1, cs. lb. 3.75 - 3.80
No. 2, cs.....lb. 3.40 - 3.45
No. 3, cs.....lb. 1.10 - 1.20
Yacca,[1] bgs.....lb. .06 - .07½
Gypsum, Keene's cement, paper bbs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.65 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
Harlem River, N. Y., frt. equald..ton.28.25 - —
New Brighton, N. Y., frt. equald..ton.28.25 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
Plaster of paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Harlem River, N. Y., frt. equald..ton.13.00 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Tex., Akron, N.Y., Blue Rapids, Kansas; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Ga.; Portsmouth, N. H.; Roton, Texas; Southard, Okla.; Sweetwater, Texas; frt. equald..ton. 8.00 - —
Saltville, Va.....lb. 9.00 - —

Gypsum, Terra Alba, dom., paper bgs., c.l., f.o.b. New Brighton, N.Y.; Southard, Okla..ton.12.00 - —
Harlem River, N.Y..ton.12.00 - —
import, bgs., ex dock.....ton. No prices

H

Hawthorn berries, bgs.....lb. 1.10 - 1.15
Heliotropin, cryst., cns.....lb. 5.25 - 5.50
Hellebore root, white, powd., bbls. lb. .46 - .47
Helonias root, bls.....lb. .82 - .83
Hematine, cryst., bgs., No. 1..lb. .34 - —
No. 2.....lb. .30 - —
No. 3.....lb. .28 - —
No. 4.....lb. .26 - —
No. 5.....lb. .24 - —
paste, bxs., No. 1.....lb. .14½- —
No. 2.....lb. .13½- —
No. 3.....lb. .12½- —
Hemlock bark extract, 25% tan, c.l., bbls., works..lb. .0385- —
tanks, works.....lb. .0325- —
Hempseed, Manchur., bgs.....lb. .14½- .15
Henbane leaves, bbls.....lb. 1.90 - 2.10
Henna leaves, bls.....lb. .19 -- .20
powd., bbls., bxs.....lb. .25 - .26
Heptane,[1] 56°-100° C, industrial grade, dms., l.c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10 - —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - —
10 gals., Group 3.....gal. .55 - —
77°-115°, industrial grade, dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3Ngal. .16 - —
l.c.l., Group 3.....gal. .29 - —
10 gals., Group 3.....gal. .55 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine,[2,5] tech., dms., 1,500 lbs. or more, shipment, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,359 lbs., shipment, same basis..lb. .33 - —
USB, dms., 500 lbs. or more, shipment, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Hexanes,[1] 60°-70°C., industrial grade, dms., c.l., Group 3. gal. .13½- —
l.c.l., Group 3.....gal. .19 - —
tankcars, Group 3.....gal. .10½- .11
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .29 - —
10 gals., Group 3.....gal. .55 - —
Hexanol, dms., l.c.l., works..lb. .25 - —
Homatropine hydrobromide, 25 oz. lots, bots..oz.37.50 -42.00
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 4.35 - 4.50
Hops, NF, bls.....lb. .26 - .27
Horehound, bls.....lb. .11 - .14
Hydrangea root, bls.....lb. No prices
Hydrastine, bots., 4 ozs.....oz.20.00 - —
Hydrochloride, bots., 4 ozs...oz.20.00 - —
Sulphate, bots., 4 ozs.....oz.29.00 - —
Hydrastinine, 15 grs., bots..bot. 1.95 - —
Hydrastis (see Golden seal).

Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. River; West Coast via Panama Canal..lb. .16 - .18½
Hydroquinone, dealers, bbls., dms., lb. .90 - .94
Hydroxycitronellol, cns.....lb. 6.50 - 7.50
Hyoscine hydrobromide, bots., gram. 4.50 - —
Hyoscyamine, bots.....oz.37.50 - —
Hydrobromide, bots.....oz.37.50 - —
Sulphate, bots.....oz.37.50 - —
Hypernic, cryst., bgs., No. 1..lb. .42 - —
No. 2.....lb. .34 - —
extract, bbls., No. 1.....lb. .24 - —
No. 2.....lb. .19 - —

I

Iceland moss, bls.....lb. 1.45 - 1.50
Ichthyol, bots.....lb. No stocks
Indian red (see Red Indian).
Indigo, nat., chests.....lb. 2.14 - 2.20
synth., paste, bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indium metal.....oz.12.50 - —
Indol, CP, bots.....lb.28.00 -30.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse., Staten Island..lb. 1.35 - 1.44
resubl., 5-lb. bots.....lb. 2.10 - —
50-lb. bots.....lb. 2.00 - —
Iodoform, 100-lb. dms.....lb. 3.95 - 4.10
jars .....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.75 - 2.80
beta, bots.....lb. 3.90 - 3.25
Methyl, alpha, 100%, cns....lb. 4.35 - —
Ipecac root, bgs.....lb. 1.75 - 1.85
powd., bgs.....lb. 1.85 - 1.95
Irish moss, ordinary, bls.....lb. .26 - .27
powd., 80-90 mesh, bbls..lb. .32 - .33
prime bleached, bls.....lb. .40 - .50
powd. .....lb. .52 - .53
Iron acetate, NF IV, 100-lb. cbys., lb. .17 - —
50 lbs., djns.....lb. .18 - —
liquor, bbls., c.l., dlvd....lb. .03 - —
l.c.l., llvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .08
kegs, works, frt. alld. or equald..lb. .07½- .08
USP X, cryst., bbls.....lb. .07½- —
kegs .....lb. .08½- —
solut., cbys., works, frt. alld. or equaled..lb. .06½- .07½
djns. .....lb. .07½- —
Citrate, USP VIII, pearls....lb. .72 - .75
powd., cns.....lb. .84 - .87
scales .....lb. .77 - .80
Glycerophosphate, bbls., 1,000-lb. lots..lb. 3.30 - 3.39
100-lb. lots.....lb. 3.40 - 3.49
cns., 25 lbs.....lb. 3.52 - 3.62
Hyposulphite, bbls., dms....lb. 1.50 - 1.52
Iodide, bots.....lb. 3.18 - 3.52
syrup, cbys.....lb. .39 - .40
bots. .....lb. .53 - .59
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, powd., kgs.....lb. .47 - .49
cans .....lb. .52 - —
pearls, cns.....lb. .82 - —
Oxide, black (see Black iron oxide).

SPOT DELIVERIES

TO EACH OF OUR MANY FRIENDS

WE WISH

A Merry Christmas

AND

A Happy New Year

GOLWYNE CHEMICALS CORPORATION

420 LEXINGTON AVENUE • NEW YORK • PHONE LE 2-9740

Iron, phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Pprophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reducel, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Coppers and ferric sulphate).
USP, cryst., 275-lb. bbls...lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., 2,000-lb. lots, dms..lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
pearls, 2,000-lb. lots, dms..lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
scales, 2,000-lb. lots, dms..lb. .44 - —
200-lb. lots., dms.....lb. .47 - —
Prices on green are the same as for brown.
Iron-ammonia oxalate,[6] bbls...lb. .23½- —
dms., kgs.....lb. .25½- —
Iron-soda oxalate, bbls.....lb. .23½- —
dms.....lb. .25½- .26½
Isobutyly acetate, 55-gal. dms., works..lb. .0899- —
tanks, works.....lb. .0760- —
Propionate, dms., works.....lb. .102 - —
Isopentane, 50-gal. dms., single, works..gal. .45 - —
10-gal. dms., single, works.gal. .55 - —
Isophorone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .12 - —
dms., c.l., E. of Rockies, frt. alld..lb. .11 - —
l.c.l., E. of Rockies, frt. alld..lb. .11¼- —
Isopropylacetate, tanks, E. of Rockies, frt. alld..lb. .10 - —
Alcohol (see Alcohol).
Ether, dms., c.l.....lb. .06 - —
l.c.l.....lb. .06½- —
tanks.....lb. .04½- —
Isopropylamine, dms., works...lb. .35 - —

J

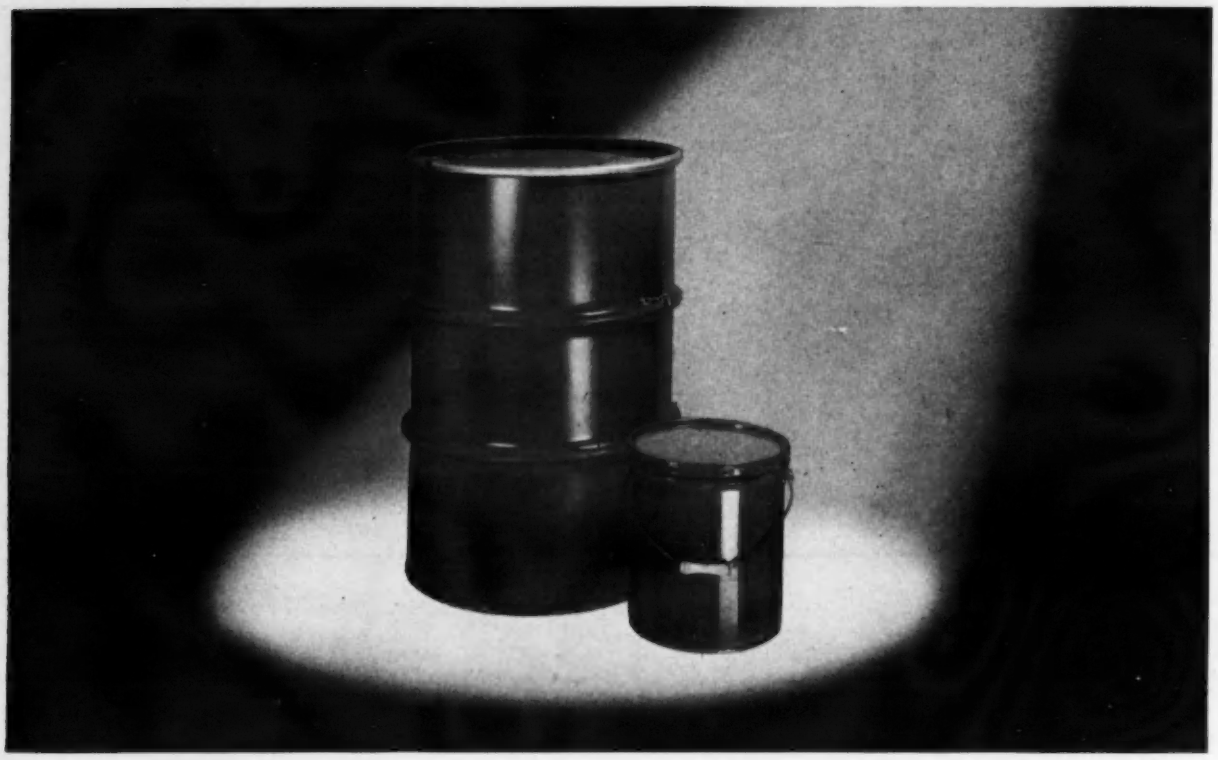
Jaborandi leaves, bls.....lb. .09 - .10
Jalap root, NF, bls.....lb. .45 - .62
powd., bbls., bxs.....lb. .52 - .58
resin, lump, 100-lb. lots, cns..lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berres, bgs.....lb. .30 - .32

K

Kamala, tins.....lb. .39 - .40
Kaolin (see China clay).
Kava kava root, bls.....lb. .27 - .28
Kerosene[1] at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .068 - —
California (f.o.b. San Francisco), truck..gal. .11½- —
Kerosene[1] at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .068 - —
California (f.o.b. San Francisco), truck..gal. .11½- —
Gulf ports, 41-43, bulk....gal. .03⅞- .04¼
Arkansas, 41-43 w.w., bulk, car lots..gal. .04⅝- —
Kerosene, at refinery:—
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04⅝- 04½
Pennsylvania, 45-46 and 47, w.w., tanks..gal. .06¼- 07¾
Kola nuts, bgs.....lb. .08 - .11

L

Lady, slipper, root, bls.....lb. .50 - .90
Lanolin (see Adeps lanae).
Lard,[1,5] city, trcs.....100 lbs.13.80 - —
Western, choice, trcs.....100 lbs.13.80 - —
Larkspur seed, bgs.....lb. 3.75 - 4.00
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .55 - .56
Cyprus, bls.....lb. .34½- .35
Portuguese, bls.....lb. .15½- .16
Spanish.....lb. .32 - .33
Lavender flowers, ordinary, bls.lb. .70 - .75
medium, bls.....lb. .80 - .85
select, bls.....lb. .90 - .95
Lead,[1] metal (see paint market).
Acetate,[2] white, broken, bbls.lb. .12½- —
cryst., bbls.....lb. .12½- —
gran., bbls.....lb. .13¼- —
powd., bbls.....lb. .13¼- —
Arsenate,[6] bls., c.l.....lb. .11 - .12
bgs., l.c.l.....lb. .11½- .12½
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.
Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .07½- —
dlvd., Arz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07⅞- —
Lead, blue, basic sulphate, bbls., l.c.l., dlvd. E.....lb. .07¾- —
Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .08 - —
Carbonate (see Lead, white).
Chloride, fib. dms., 100 lbs...lb. .49 - —
Iodide, NF V, powd., 5-lb. bots., lb. 2.80 - —
jars.....lb. 2.60 - —
Linoleate, pale, precip., bbls.lb. .22½- —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .21¼- —
1 to 5 ton lots, same basis, lb. .19¾- —
Nitrate, bbls.....lb. .12½- —
Peroxide, powd., bbls., tech..lb. .23 - —
Oleate, bbls.....lb. .17¾- —
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
Other points.....lb. .09 - —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash..lb. .09¾- —
5 tons, dlvd. Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .10¼- —
Colo., Mont., N. Mex., Wye..lb. .10 - —
other points.....lb. .09½- —
smaller lots, Ala., etc.lb. .10¼- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10½- —
other points.....lb. .10 - —
97% Pb_3O_4 bbls. (20 tons), dlvd., Ala., etc..lb. .09½- —
other points.....lb. .09¾- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .10 - —
Colo., etc.....lb. .10¼- —
Ariz., etc.....lb. .10½- —
other points.....lb. .09¾- —
smaller lots, dlvd., Ala. lb. .10¾- —
Ariz., etc.....lb. .11 - —
Colo., etc.....lb. .10¾- —
other points.....lb. .10¼- —
95% Pb_3O_4, bbls., c.l. (20 tons), dlvl. Ala., etc..lb. .09¾- —
other points.....lb. .09½- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .10¼- —
Ariz., etc.....lb. .10¾- —
Colo., etc.....lb. .10½- —
other points.....lb. .10 - —
smaller lots, dlvd., Ala., etc..lb. .10¼- —
Ariz., etc.....lb. .11¼- —
Colo., etc.....lb. .11 - —
other points.....lb. .10½- —
in oil, 95% min., 100-lb. kgs., lb. .14 - —
Resinate, fused, 15%, bbls., c.l., lb. .10 - .12
pale, bbls., c.l.....lb. .12 - .14
6%, bbls., c.l.....lb. .09¼- .10½
l.c.l.....lb. .10¾- —
Silicate, bgs., 5 tons.....lb. .0730- —
smaller lots.....lb. .0780- —
Stearate, bbls.....lb. .31 - .33
Sulphate (see Lead, white basic sulphate).
Titanate, bgs., or bbls., c.l. (20 tons), works, frt. alld. lb. .11 - —
l.c.l., 5 tons, one delivery, E., frt. alld..lb. .11¼- —
Pac. Cst., ex whse....lb. .11¼- —
smaller lots, E., frt. alld.lb. .11½- —
Pac. Cst., ex whse..lb. .11½- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash., and Wyo..lb. .08½- —
other points.....lb. .08¾- —
l.c.l., dlvd. Ariz., etc...lb. .08¾- —
other points.....lb. .08½- —
basic sulphate, bbls., c.l., dlvd. Ariz., etc..lb. .07½- —
other points.....lb. .07¾- —
l.c.l., dlvd., Ariz., etc.lb. .08 - —
other points.....lb. .07½- —
in oil, 100-lb. kgs., consumers, lb. .13¾- —
100-lb. kgs., dealers....lb. .11¾- —
painters.....lb. .12¾- —
Consumers' prices and painters' prices are ½c. lower on orders of 500 lbs. or more.
Lecithin, edible, dms., c.l.....lb. .28½- —
l.c.l.....lb. .29 - .43
tech., dms., c.l.....lb. .26 - —
l.c.l.....lb. .26½- .37½
in cocoa butter, dms., c.l....lb. .40½- —
l.c.l.....lb. .41 - .55
Lemon peel, bls.....lb. .35 - .46
Licorice extract, mass, cns....lb. No prices.
powd., bbls.....lb. No prices.
root, natural, bls.....lb. .12 - .13
powder, bbls., bls.....lb. .22 - .26
select, bbls., cs.....lb. 1.05 - —
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.:—
Adams, Mass.....ton. 8.00 - —
Bellefonte, Pa.....ton. 7.50 - —
Berkley, W. V.....ton. 7.50 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn..ton. 6.25 - —
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio.....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 6.25 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va..ton. 7.50 - —
Menominee, Mich.....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
Rockland, Me.....ton. 8.00 - —
San Francisco, Cal...ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.50 - —
hydrated, f.o.b. Adams, Mass. ton. 8.50 - —
Bellefonte, Pa.....ton. 9.00 - —
Berkley, W. Va.....ton. 9.00 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.00 - —
Crab Orchard, Tenn..ton. 9.00 - —
Eagle Mountain, Va..ton. 8.50 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio.....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —



INDISPENSABLE

for the SAFE SHIPMENT and STORAGE of: { FOODS CHEMICALS PETROLEUM PRODUCTS

essential to civilian and military use

STEEL DRUMS AND PAILS

Dehydrated Foods —freshness and purity completely protected with Steri Seald Lined Steel Containers

Steel Drums and Pails provide complete protection against leakage and spoilage. The air tight closures and Steri Seald tested linings keep products fresh and pure for delivery to the fighting forces and peoples of the United Nations. W & B steel containers are made in 3-gallon to 55-gallon capacities.

WILSON & BENNETT MANUFACTURING CO.
6532 SOUTH MENARD AVENUE, CHICAGO, ILLINOIS
Subsidiary of Inland Steel Company
Plants at Chicago, Jersey City and New Orleans • Sales offices in principal cities
Makers of Steel Drums and Pails

Lime, hydrated, f.o.b. Lime Crest, N. J..ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistikue, Mich....ton. 9.50 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va..ton. 9.00 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D.....ton.12.00 - —
Rippiemead, Va.....ton. 9.00 - —
Rockland, Me.....ton. 9.00 - —
San Francisco, Cal...ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York.. Pa.....ton. 8.50 - —
spray, paper bgs., f.o.b:—
Adams, Mass.....ton. 9.50 - —
Bellefonte, Pa.....ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Rockland, Me.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —

Lime salts (see Calcium).

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kans., Okla., Tex..lb. No price
dms., same basis.....lb. No price
400 lbs. or more, bgs., same basis..lb. No price
dms., same basis.....lb. No price

Lime-sulphur, dry, dealers, bgs., less than 400 lbs., same basis..lb. No price
dms., same basis.....lb. No price
Solution, Zone 1, dms., consumers..gal. No price
Zone 2, tanks, dealers, wks. gal. No price
30-50, dms.....gal. No prce
Zone 3, tanks, dealers, dlvd. gal. No prce
30-50, dms.....gal. No price
Zone 4, tanks, dealers, wks. gal. No price
dms., wks., except Cal.gal. No price
Zone 5, dealers, dlvd.....gal. No price
dms.....gal. No price
Zone 6, tanks, dealers....gal. No price
30-50, dms.....gal. No price

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C. except the counties of Ashe, Surry, Stokes, Rockingham and Allegheny; Tenn., east of Tenn. river. Zone 2: New England States. Zone 3: Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minn., Mo. and Tenn. west of Tenn. river; Penn., eastern ter. and W. Va., western tier. Zone 4: West of Rocky Mountain, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Allegheny, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 6.75 - 7.00
Linalyl acetate, 70% to 80%, cns. lb. 5.50 - 6.00
90%, cns.....lb. 6.50 - 6.75
92%, cns.....lb. 7.00 - 7.25
Linden flowers, bls.....lb. 1.10 - 1.60
without leaves, bls..... No stocks
Linseed meal, 32%, sacks, f.o.b. New York, December delivery..ton. No prices
Litharge, com'l powd., bbls., 20 tons, dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore., and Wash..lb. .08¼- —
divd. other points.....lb. .08 - —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash...lb. .08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash...lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .09 - —
Other points.....lb. .08½- —
smaller lots, dlvd. Ala., etc. lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09½- —
Other points.....lb. .09 - —
Lithium bromide, bbls., 100 lbs., works, frt. equald..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, NF VI, 250-lb. bbls. lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Hydroxide, jars.....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 5.20 - —
25-lb. jars.....lb. 5.05 - —
Lithopone,[1] titanated (high strength), bgs., c.l., (20 tons)..lb. .0560- —
smaller lots.....lb. .0585- —
bbls., c.l. (29 tons).....lb. .0585- —
smaller lots.....lb. .0610- —
ordnary, bgs., c.l. (20 tons).lb. .04¼- —
smaller lots.....lb. .04½- —
bbls., c.l. (20 tons).....lb. .04½- —
smaller lots.....lb. .04¾- —

Lithopone in car lots is ¼c. per lb. higher delivered to the Pac. Cst. and in less car lots is ½c. higher ex whse., Pac. Cst.

Liverwort, leaves, bls.....lb. .60 - .62
Lobelia, herb, bls.....lb. .33 - .34
Lobeline sulphate, bots.....oz.33.75 -38.00
Logwood, cryst., No. 1, bgs....lb. .28 - —
No. 2, bgs.....lb. .26 - —
extract, liquid, No. 1, bbls..lb. .14 - —
No. 2, bbls.....lb. .13 - —
No. 3, bbls.....lb. .12½- —
No. 4, bbls.....lb. .10 - —
solid, No. 1, bxs.....lb. .23½- —
No. 2, bxs.....lb. .21½- —
Lovage root, dom., bls.....lb. .55 - .60
imported, bls.....lb. 4.50 - —
Lupulin, N.E., tins.....lb. 1.50 - 1.60
Lycopodium, cs.....lb. 7.50 - 8.00

M

Mace,[1] Bands, cs.....lb. .90 - .91
Siauw, No. 1, cs.....lb. .70 - .71
West Indian, cs.....lb. .70 - .71
Madder, Dutch, bbls.....lb. .24 - .30
Magnesia, arsenate,[6] dms.....lb. .18 - .20
Calcined, tech., USP, bbls., works..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls., ...lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls. .....lb. .08¼- —
kgs. .....lb. .09½- —
USP, Zone 1, c.l., bgs.....lb. .09 - —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls. .....lb. .09½- —
kgs. .....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
l.c.l., bgs.....lb. .08¾- —
bbls. .....lb. .09¼- —
kgs. .....lb. .10½- —
Other points.....lb. .08 - —

Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., c.l. shipments, frt. equall. with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, frt. alld., includng dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U. S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.

Magnesium, chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., works., c.l.. ton.32.00 - —
l.c.l., bbls., works.....ton.39.00 -42.00
Fluoride, bbls.....lb. .40 - .50
Hydroxide, med., 200-lb. bbls.lb. .25 - —
25-lb. dms.....lb. .30 - —
100-lb. kgs.....lb. .26 - —
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
Oxide (see Calcined).
Balmitate, bbls.....lb. .33 - .35
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .18 - .20
Stearate, bbls., ton lots.....lb. .31 - —
less than ton lots.....lb. .32 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .37 - —
smaller lots, dms.....lb. .42 - —
cs., 500-lb. lots.....lb. .40 - —
100-lb. lots.....lb. .42 - —
5-lb. cns.....lb. .60 - —
Magnesite, cal., dom., bgs., pwd., f.o.b. mines, Calif..ton.58.75 - —
l.c.l., dlvd., N. Y.....ton.84.00 -90.00
Malva flowers, black, bls.....lb. 1.75 - 2.00
blue, bls.....lb. 2.25 - 2.50
Leaves, bls.....lb. .40 - .55
Manaca root, bls.....lb. .24 - .25
Mandrake root, bls.....lb. .18 - .19
Manganese acetate, dms.....lb. .26½- —
Arsenate,[6] bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .17
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.

Manganese, dioxide, African, battery, 84-87%, bbls., 28-40 tons, works..ton.74.00 - —
5-15 tons, works.....ton.77.00 - —
½, 4 tons, works.....ton.82.00 - —
Causacian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works....ton.77.00 - —
smaller lots, works..ton.82.00 - —
burlap bgs., c.l., works.. ton.71.75 - —
l.c.l., 5 tons, works....ton.74.75 - —
smaller lots, works..ton.79.75 - —
paper bgs., c.l., works..ton.70.60 - —
l.c.l., 5 tons, works....ton.73.00 - —
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.05 - 3.14
100-lb. lots.....lb. 3.15 - 3.25
cns., 25 lbs.....lb. 3.27 - 3.36
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.70 - —
jars, 25 lbs.....lb. 5.55 - —
Linoleate, liquid, 4%, dms.....lb. .20 - —
solid, precip.,, 8.2%, bbls..lb. .22 - —
Resinate, fused, 3½%, bbls...lb. .09 - .10½
precip., dms.....lb. .14½- .15½
Sulphate, anhyd., tons lots, works..lb. .11¼- —
single dms., works.....lb. .11¾- —
feed grade, 77-80%, c.l....lb. .05¾- —
l.c.l. .....lb. .06½- —
fertilizer, 65%, $MnSo_4$, bgs., c.l., dlvd. eastern points. ton.59.50 - —
l.c.l., bgs., same basis or f.o.b. Balto. and Cincinnati..ton.66.50 - —
industrial grade, 80% $MnSo_4$, c.l..lb. .05 - —
l.c.l. .....lb. .05½- —

To our friends in the Chemical Industry we extend sincere CHRISTMAS GREETINGS and pledge our unstinted efforts in serving you for the year ahead

NATIONAL ANILINE DIVISION
ALLIED CHEMICAL AND DYE CORPORATION
40 RECTOR STREET • NEW YORK, N. Y

Mangrove bark, if, and when, available, bgs.....ton.60.00 - —
Manna flake, large, cs.....lb. No stocks
small, cs.....lb. 3.40 - 3.45
Mannitol,[4] com'l grade, bbls., ton lots, works..lb. .35 - —
smaller lots, works.....lb. .40 - —
reagent grade, 50-lb. cs., or multiples, works..lb. .85 - —
Marjoram,[1] Chilean, bls.....lb. .45 - .46
in transit, bls.....lb. .42½- .43
French, bls.....lb. .84 - 1.15
Tunisian, bls.....lb. .60 - .65
Matico leaves, bls.....lb. .22 - .29
Menthol, natural, cs.....lb.14.00 Nom.
synthetic, USP, cs.....lb.13.00 - —
technical, 60-lb. cs.....lb. 6.00 - —
smaller lots.....lb. 6.50 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs..lb. 1.44 - —
25 lbs.....lb. 1.46 - —
50%, pails, 50 lbs.....lb. 2.09 - —
25 lbs.....lb. 2.11 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride[2] (see Corrosive sublimate).
Bisulphide,[2] 5-lb. bots.....lb. 3.02 - —
100-lb. fib. dms.....lb. 2.89 - —
25-lb. jars.....lb. 2.91 - —
Chloride[2] (see Calomel).
Cyande,[2] cryst.....lb. 4.00 - 4.05
powd.....lb. 4.00 - 4.05
Iodide,[2] red, NF, 5-lb. bots..lb. 4.65 - 4.71
100-lb. fib. dms.....lb. 4.60 - —
yellow, 5-lb. bots.....lb. 4.76 - 4.81
fib. dms., 100 lbs.....lb. 4.70 - —
Mercury, nitrate ointment (see Citrine ointment).
tech. (see Red, mercury oxide).
Oxide,[2] yellow, tech. (see Yellow, mercury oxide).
NF VI, fib. dms., 50 lbs. or more..lb. 3.88 - —
red,[2] NF (see Red precipitate).
Mercury and chalk,[2] 5-lb. ctns.lb. 1.98 - —
25-lb. fib. dms.....lb. 1.80 - 1.88
Mesityl oxide, dms., c.l., dlvd.lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
tanks.....lb. .10½- —
Metal leaf, Japanese, pkgs. of 20 books (500 leaves), aluminums, 5½x5½ in..pkg. 2.50 - —
composition, 5½x5½ in.....pkg. 3.00 - —
gold XX, deep, 23K, 3⅜x3⅜ in. pkg.15.00 - —
silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluilin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine,[6] kgs...lb. .65 - —
Metatoluylenediamine,[6] kgs....lb. .70 - —
Methanol, natural,[1,5] producer group A, all grades, E. of Miss. R., dms., c.l..gal. .66 - —
l.c.l. .....gal. .76 - —
tanks .....gal. .60 - —
Methanol prices W. of Miss. R. are 3c. per gal. higher.
pure, group B, tanks, frt. alld., Zone 1..gal. .50 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .54 - —
Zone 4.....gal. .54½- —
dms., c.l., Zone 1.....gal. .55½- —
Zone 2.....gal. .57½- —
Zone 3.....gal. .59½- —
Zone 4.....gal. .61½- —
Methanol, natural, pure, group B, dms., l.c.l., Zone 1..gal. .58½- —
Zone 2.....gal. .75½- —
Zone 3.....gal. .62½- —
Zone 4.....gal. .75½- —

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; Zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; Zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Synthetic,[2,5] pure, dms., c.l., Zone 1, frt. alld..gal. .34½- —
2, frt. alld. or dlvd..gal. .36½- —
3, frt. alld.....gal. .38½- —
4, frt. alld.....gal. .40½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .37 - —
2, frt. alld.....gal. .42½- —
3, dlvd., S. F. and L. A. gal. .41 - —
4, frt. alld. or dlvd..gal. .52½- .56½
tanks, Zone 1, frt. alld..gal. .28 - —
2, frt. alld.....gal. .30 - —
3, frt. alld.....gal. .32 - —
4, frt. alld.....gal. .32½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N.Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- .12
W. of Miss. R.....lb. .11½- .13
Miss. R..lb. .11 - .14
l.c.l., dms., dlvd. E. of W. of Miss. R.....lb. .12 - .13½
tanks, dlvd. E. of Miss. R. lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd. E. of Miss. R..lb. .08 - .09
l.c.l., dlvd. E. of Miss. R., lb. .07½- .11
dlvd. W. of Miss. R..lb. .07½- .10½
tanks, dlvd. E. of Miss. R., lb. .06 -
W. of Miss. R. .....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, dms., E. of Rockies, frt. alld., c.l..gal. .81 - —
l.c.l., same basis.....gal. .86 - —
tanks, same basis.....gal. .75 - —

Methyl acetone prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Synthetic, tanks, Zone 1..gal. .43 - —
Zone 2.....gal. .44½- —
Zone 3.....gal. .45½- —
Zone 4.....gal. .45½- —
dms., c.l., Zone 1.....gal. .51 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .53½- —
Zone 4.....gal. .54½- —
l.c.l., Zone 1.....gal. .54½- —
Zone 2.....gal. .57 - —
Zone 3.....gal. .58 - —
Zone 4.....gal. .59½- —
Alcohol (see Methanol).
Anthranilate, 100-lb. lots.....lb. 2.20 - —
25-lb. lots, bots.....lb. 2.35 - —
Bromide, cns.....lb. .75 - .80
cyls.....lb. .65 - .75
Benzoate, cns., 25 lbs.....lb. .70 - 1.10
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 400 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, machine mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United Sttaes. Prices above are in 60, 90 and 160-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bls.....lb. 1.50 - 4.00
Formate, dms.....lb. .89 - —
Lactate, dms., l.c.l., dlvd..lb. .70 - —
Iodide, bots.....lb. 4.00 - 4.15
cns.....lb. .37 - .40
Salicylate, dms.....lb. .35 - .37
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, specl, vis. (4,000 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .60 - —
100 to 1,999 lbs., frt. alld.lb. .65 - —
1 to 99 lbs., works.....lb. .70 - —
std. vis. (15-1,500 cps.), fib. ctns., 2,000 lbs. or more, frt. alld..lb. .53 - —
100 to 1,999 lbs., frt. alld.lb. .58 - —
1 to 99 lbs., works.....lb. .63 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98-100%, dms., works..lb. .32 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, refrigeration, dms., works..lb. .18 - .22
solvent, dms., works.....lb. .12 - .15
Methylethyl ketone, dms., tech., frt. pd. E. of Rocky Mts..lb. .09 - —
l.c.l., same terms.....lb. .09½- —
tanks, same terms.....lb. .08 - —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —
Methylnaphthyl ketone, dom., cryst., cns..lb. 3.00 - 3.10
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesr, containers extra, c.l., same basis..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
325 mesh, containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.00 - —
400 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.19.50 - —
Mica, dry grd., amber, No. 1 quality, c.l..ton.30.00 - —
l.c.l., 5,000 lbs.....ton.40.00 - —
1,000 lbs.....lb. .02 - —
500 lbs.....lb. .02½- —
100 lbs.....lb. .03 - —
refined, c.l.....ton.20.00 - —
l.c.l., 5,000 lbs.....ton.30.00 - —
paint, c.l.....ton.55.00 - —
l.c.l., 5,000 lbs.....ton.65.00 - —
white, No. 1 quality, c.l..ton.35.00 - —
l.c.l., 5,000 lbs.....ton.45.00 - —
1,000 lbs.....lb. .02½- —
500 lbs.....lb. .03 - —
roofing, c.l.....ton.29.00 - —
l.c.l., 5,000 lbs.....ton.39.00 - —
paint, c.l.....ton.60.00 - —
l.c.l., 5,000 lbs.....ton.70.00 - —
wet grd., paint or lacquer, c.l., lb. .04½- —
l.c.l. .....lb. .05 - —
paper, wall, or coated, c.l.lb. .04½- —
l.c.l. .....lb. .05 - —
rubber, c.l.....lb. .04½- —
l.c.l. .....lb. .04¾- —
Biotite, c.l.. .....lb. .03¾- —
l.c.l. .....lb. .04¼- —

Mica, dry grd., is quoted in bags at the works; wet grd. mica in car-load lots is frt. alld. E., and in less than car-load lots ex whse. or frt. alld. E. Prices of the wet grd. are ½c. per pound higher west of the Mississippi.

Milk powder, skimmed, roller, bbls., c.l..lb. .14½- —
l.c.l. .....lb. .15½- .16
spray, bbls., c.l.....lb. .15½- —
l.c.l. .....lb. .16½- .17
whole, roller, bbls., c.l.....lb. .29 - —
l.c.l. .....lb. .29¼- —
spray, bbls., c.l.....lb. .30 - —
l.c.l. .....lb. .30½- —
Milk sugar, bbls., c.l.....lb. .25 - —
l.c.l., 10 bbls. or over....lb. .26 - —
less than 10 bbls.....lb. .27 - —

Exchange

OIL OF LEMON U.S.P.

Forecast...

SUPPLY — Adequate for all normal uses

QUALITY — Unexcelled

PRICES — Fair at all times

Exchange Oil of Lemon is made by the world's largest group of Lemon Growers

NOW OUTSELLS ALL OTHER BRANDS COMBINED 4 TO 1

Copr.,1942, California Fruit Growers Exchange, Products Dept.

Sold to the American Market exclusively by

FRITZSCHE BROTHERS, INC.
76 Ninth Avenue, New York, N. Y.

DODGE & OLCOTT COMPANY
180 Varick Street, New York, N. Y.

Distributors for: CALIFORNIA FRUIT GROWERS EXCHANGE, PRODUCTS DEPARTMENT, Ontario, California

Producing Plant: Exchange Lemon Products Co., Corona, California

Millet seed, yellow, bgs.....lb. .03½- .04
early fortune, bgs.....lb. .03½- .04
hulled, bgs.....lb. .07 - .13
Mineral spirits (see Petroleum thinners and V. M. & P. naphtha).
Molasses, blackstrap, tanks, f.o.b. works, Area 1..gal. .18 - —
Area 2, same basis....gal. .18½- —
Area 3, same basis....ton.20.00 - —
Area 4, same basis....ton.24.20 - —
Area 5, same basis....ton.33.20 - —

Note—Area No. 1 is La., Fla., Tex. and Ga. Area No. 2 is N.Y., Penn., Md., Mass. and N.J. Area No. 3 is Ore., Wash. and Calif. Area No. 4 is Id., Utah, Mont., Colo., Wyo., Kan., S.D. and Neb., excluding Grand Island. Area No. 5 is Ind., Mich., Ohio, Wis., Minn., Ia. and Grand Island, Neb.

Molybdate orange (see Orange, molybdate).
Molybdenum metal,[6] kgs., 90%, powd..lb. 2.60 - 3.00
trioxide,[6] pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., works..lb. .61 —
l.c.l., works.....lb. .64 - —
Monoamylnaphthalene, l.c.l., dms., works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., works..lb. .48 - —
l.c.l., works.....lb. .51 - —
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks.....lb. .23 - —
Monoethylamine, basis 100%, dms., c.l., works..lb. .43 - —
l.c.l., works.....lb. .46 - —
Monochlorobenzene, dms., c.l..lb. .05½-
55 gals.....lb. .07 - —
10 gals.....lb. .08 - —
5 gals.....lb. .09 - —
tanks.....lb. .05 - —
Monoethylanilin, dms.....lb. .47 - —
Monomethylamine, dms.....lb. .65 - —
Monomethylpara-aminophenol-sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Hydrobromide, 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, powd., 5-oz. bots., oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c.l., works..lb. .67 - —
smaller containers, works....lb. .75 - —
Mullein leaves, cns.....lb. .12 - .13
flowers, cns.....lb. 1.75 - 2.10
Musk, nat., Tonquin, grains, bots., oz.37.00 -39.00
synth, ambrette, cns., 100 lbs. or more..lb. 4.00 - 9.00
25 lbs. to 75 lbs.....lb. 4.10 - 9.10
5 lbs.....lb. 4.25 - 9.45
ketone, cns., 100 lbs. or more, lb. 4.15 - 9.25
25 lbs. to 75 lbs.....lb. 4.25 - 9.35
5 lbs.....lb. 4.40 - 9.70
xylol, cns., 100 lbs. or more.lb. 1.40 - 2.50
25 lbs. to 75 lbs.....lb. 1.50 - 2.60
5 lbs.....lb. 1.65 - 2.90
Musk root, bls.....lb. 2.25 - 2.50
Mustard seed, California, brown, good, bgs..lb. .15 - .15½
yellow, bgs.....lb nom - nom
Montana, yellow, bgs.....lb. .05½- .06½
Roumanian, yellow.....lb nom - nom
Washington, yellow, bgs.....lb. nom - nom
Myrobalans, J1, bgs., f.a.s...ton.65.00 - —
J2, bgs., f.a.s.....ton.60.00 - —
Extract, liquid, 25%, bbls.....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, bbls.....lb. No prices

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude,[6] dom., 74 deg., tanks, works..100 lbs. 2.75 - —
78 deg., tanks, works..100 lbs. 3.00 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..100 lbs. .08 - —
50-lb. cs., same basis....lb. .08½- —
pkgs. (16-oz.), same basis.lb. .08½- —
(12-oz.), same basis...pkg. .07 - —
Neocinchophen, USP., 100-lb. lots, dms..lb. 7.00 - —
50-lb. lots.....lb. 7.05 - —
25-lb. lots.....lb. 7.10 - —
Nerolin, cryst., cns.....lb. 1.70 - 2.00
Niacin (see Acid, nicotinic).
Nickel,[6] carbonate, bbls.....lb. .36 - .36½
Chloride,[6] bbls.....lb. .18 - .20
Cyanide,[6] 100 lbs., dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide,[6] black, bbls.....lb. .35 - .38
Salt,[6] bbls.....lb. .13 - .13½
Nicotine,[2] sulphate, 40%, dms., works, frt. alld..lb. .703 - —
10-lb. tins.....lb. .86¼-
Niger seed, bgs.....lb. .14½- .15
Nikethamide, 25 lbs. or more, bots..lb.18.00 - —
under 25-lb. lots, bots.....lb.19.00 - —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl dist., dms., c.l., lb. .08 - —
l.c.l.....lb. .09 - —
tanks.....lb. .07 - —
Nitrocellulose, ester-soluble,[6] 30-35, ¼, ½ sec., bbls., dry weight, l.c.l., works..lb. .26 - —
5-6, 15-20 sec. and higher, bbls., dry weight, l.c.l., works..lb. .25 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitroethane, dms., l.c.l., works.lb. .25 - —
Nitrogenous fertilizer material, dom., 10% ammon., bulk, f.o.b. Carrollville, Wis..unit-ton. 3.00 Nom.
Chemical, Ill., Nov.-Dec. shipments..unit-ton. 2.90 - —
Norfolk, Va.....unit-ton. No prices
Nitromethane, lms., l.c.l., wks.lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane I, dms., l.c.l., works, lb. .25 - —
II, dms., same basis.....lb. .25 - —
Nutgalls,[6] Aleppo, bgs.....lb. No prices
Chinese, whole.....lb. .43 Nom.
Extract (see Gall extract).
Nutmegs,[1] E. I., bgs., cs.....lb. .42 - 43
West Indian, bgs.....lb. .39 - .40
Nux vomica, bls.....lb. .09 - .11
powd., bbls., bzs.....lb. .12 - .16

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .0385- —
tanks.....lb. .0325- —
Ocher (see Yellow)
Octane,[2] 100-140° C., industrial grade, dms., c.l., G.3..gal. .15½- —
l.c.l., G.3.....gal. .29 - —
10 gals., G.3.....gal. .55 - —
tanks, G.3.....gal. .13 - —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .85 - —
Oil, almond, bitter, artif. (see Benzaldehyde)
natural, USP, bots.....lb. 3.50 - 6.00
sweet, true, exp., dms., cns., lb. 1.70 - 2.00
Amber, crude, cns.....lb. No stocks
refd., cns.....lb. No stocks.
Angelica, root, bots.....lb.140.00 - —
seed, bots.....lb.120.00 -140.00
Anilin (see A).
Anise, USP, cns., dms.....lb. 2.75 - 3.25
Apricot, kernel, cns.....lb. .40 - .55
Avocado, cns., dms.....lb. .80 - .95
Babassu,[1,6] tanks.....lb. .1110- —
Bay, W. I., 50-55% phenols, cns..lb. 1.55 - 1.85
Porto Rican, 55-60% phenols, cns..lb. 1.80 - 1.90
Bergamot, artif., cns.....lb. 2.25 - 9.85
natural, coppers.....lb.32.00 -35.00
Brazilian, cns.....lb.10.00 -10.25
Birch (see Oil, sweet, birch).
Birch tar, crude, cns.....lb. 1.80 - 2.00
rectified, cns.....lb. No stocks
Bois le Rose, Brazil, cns....lb. 4.25 - 5.75
Mexican (see Linaloe, wood).
Oil, bone, dms., works.....gal. .65 - .70
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. 1.90 - 2.25
free from metal, cns.....lb. 2.05 - 2.10
redistilled, cns.....lb. 2.20 - 2.30
Calamus, cns.....lb. No stocks
Camphor, sassafrassy, cns...lb. .45 - .55
dms.....lb. No prices
white, cns.....lb. .30 - .48
dms.....lb. No prices.
dom., tech.....lb. .15 - —
Cananga, native, cns.....lb.13.00 -16.00
rectified, cns.....lb.17.50 -18.00
Capsicum (oleoresin), USP VIII, cns..lb. 3.75 - 5.50
Caraway, USP, cns.....lb.14.65 -17.50
Cardamom, bots.....lb.24.00 -34.00
Cassia, USP, cns.....lb.10.25 -12.00
Castor,[1,6] blown, dms., returnable, c.l..lb. .15½- —
l.c.l.....lb. .16 - —
cold pressed, USP, bbls., c.l., lb. .14 - —
l.c.l.....lb. .14½- —
cns. (1-gal.), l.c.l.....lb. .17¾- —
cns. (1-gal.), l.c.l.....lb. .15¾- —
dms. (returnable), c.l...lb. .13¾- —
l.c.l.....lb. .14½- —
tanks.....lb. .13 - —
dehydrated, dms.....lb. .1860- —
l.c.l.....lb. .1900- —
extracted, No. 3, tech., bbls., c.l..lb. .13¾- —
l.c.l.....lb. .14¼- —
dms. (returnable), c.l....lb. .13¼- —
l.c.l.....lb. .14¼- —
tanks.....lb. .12¾- —
sulphonated, 50% (43% fat), dms., c.l..lb. .10 - —
l.c.l.....lb. .11 - —
Oil, castor, sulphonated, 75% (63% fat), dms., c.l..lb. 12¼- —
l.c.l.....lb. .13¼- —
80% (68% fat), dms., c.l..lb. .12¼- —
l.c.l.....lb. .13½- —
Cedarleaf, USP, cns.....lb. 1.10 - 1.40
technical, cns.....lb. .75 - 1.10
Cedarwood, Southern, dms...lb. .65 - .85
Celery, bots.....lb.25.00 -30.00
Chaulmoogra, USP, cns.....lb. .68 - —
Chinawood,[1,6] dms.....lb. .39 - —
tanks.....lb. .3875- —
Cinnamon, bark oil, bots....lb.25.00 -40.00
leaf oil, dms.....lb. 2.25 - —
Citronella, Ceylon, cns.....lb. 1.15 - 1.35
Java, cns.....lb. No prices
Clove, makers, USP, cns.....lb. 1.70 - 1.75
Coconut,[1,6] Manila, crude, bulk, c.i.f..lb. .0635- —
edible, ex tax.....lb. .0985- —
Cod,[6] Newf., dms.....gal. .90 - —
tanks.....gal. .85 - —
Codliver,[6] med., USP, 30-gal. bbls. or dms. bbl.80.00 -88.00
Coriander, bots.....lb.22.50 -35.00
Corn,[1,6] crude, tanks, works..lb. .12¾- —
refd., bbls.....lb. .15½ Nom.
Cottonseed,[6] cooking, bbls....lb. .16¾- —
salad, bbls.....lb. .17 - —
Creosote (see C).
Croton, NF, cns.....lb. 3.00 - 4.00
Cubeb, USP, cns.....lb. 4.50 - 6.50
Crude (see Petroleum, crude).
Cumin, bots.....lb. 8.00 -10.00
Cypress, bots.....lb.12.00 - —
Degras (see D).
Dillseed, bots.....lb. 6.25 - 8.00
weed, bots.....lb. 5.85 - 6.25
Dip (see D).
Erigeron, cns.....lb. 2.10 - 2.85

Available

PRODUCTS

Products which are available to the perfumer in ample quantity and at reasonable prices.

Oil of Cedar Leaf American Pure
Exceptionally Fine Quality

Oil of White Cedar
II Distilled
III Distilled

Oil of Petitgrain South American 46% Ester

Linalyl Acetate

Linalool

Oil of Rosewood Brazilian

Ionone Alpha

Ionone Methyl

Aubepine

Para Cresyl Ethyl Ether

Para Cresyl Methyl Ether

Phenyl Ethyl Alcohol

Cyclamal

Aromatics Division

GENERAL DRUG COMPANY

644 Pacific St., Brooklyn, N. Y.

9 S. CLINTON STREET, CHICAGO 1019 ELLIOTT STREET, W., WINDSOR, ONT.

Oil, eucalyptus, 70-75%, cns.	lb.	.95 - 1.05
80-90%, cns.	lb.	.90 - 1.06
Fennel, sweet, cns.	lb.	3.35 - 4.50
Fishliver,[1,5] 6,000 to under 60,000 units per gram—per million unit.		.14 - —
60,000 to under 200,000 units per gram—per million units.		.20 - —
200,000 or more units per gram—per million units.		.30 - —
Fuel (see Petroleum, fuel oil).		
Gaultheria (see Oil, wintergreen leaf)		
Geranium, Algerian, ruse, cns.	lb.	16.50 -18.00
Bourbon, cns.	lb.	18.50 -20.00
Turkish (see Palmarosa).		
Grapefruit, cns.	lb.	1.85 - 2.05
Grapeseed, dom., dms.	lb.	.35 - .36
imported, dms.	lb.	.20 - .27
Ginger, dist., bots.	lb.	20.00 -24.00
Guaiac wood, concrete, bots.	lb.	4.50 - 4.75
Hemlock, cns.	lb.	1.15 - 1.30
Juniper berry, cns.	lb.	9.00 -16.00
wood, tech., cns.	lb.	1.50 - 1.55
Juniper, tar, USP XI, dms.	lb.	1.15 - 1.35
Lard,[6] common, 1 bbls.	lb.	.14 - —
extra, No. 1, bbls.	lb.	.14½- —
winter, strained, bbls.	lb.	.15 - —
prime, burning, bbls.	lb.	.16 - —
prime, ined., bbls.	lb.	.15½- —
Laurel, bots.	lb.	5.00 Nom.
Lavandin, cns., 25 lbs.	lb.	5.75 - 7.00
Lavender, flower, French, cns.	lb.	8.50 -16.00
garden, cns.	lb.	.55 - .70
spike, Spanish, tech., cns.	lb.	4.05 - 6.85
dms.	lb.	3.95 - 6.75
Oil, lemon, Calif., cns.	lb.	3.25 - —
Messina, coppers, cns.		No stocks
Terpeneless	lb.	40.00 -55.00
Uruguay, to arrive, 10 kilo cans.	lb.	6.00 - 6.25
Lemongrass, cns., dms.	lb.	1.30 - 1.90
Lime, dist., Mex., cns.	lb.	7.25 - 7.75
Jamaica, cns.	lb.	9.00 - 9.25
expressed, Jamaica, cns.	lb.	11.00 -13.50
Lignaloe, wood, Mexican, cns.	lb.	3.25 - 3.50
Brazilian (see Bois de rose).		
Linseed, raw, dms., c.l.	lb.	.1300- —
l.c.l., 10 or more	lb.	.1320- —
5 to 9	lb.	.1360- —
less than 5	lb.	.1380- —
tankcar	lb.	.1260- .1280
tank wagon	lb.	.1280- .1300
Linseed oil drum shipments, plus $6 deposit per drum.		
Boiled linseed oil, .004 over raw.		
Lubricating,[1] at refinery, ex tax, California, neutrals, pale, 200-600 vis., 2¾-4, tanks.	gal.	.07¼- .11
red, 200-900 vis., 4-6½ plus, tanks.	gal.	.07¼- .11⅛
Group 3, bright stock, 150-160 vis., 0-25 pour, tanks.	gal.	.22½- .25
neutral, 150-300 vis., 3, 0-10 pour, tanks.	gal.	.14½- .18
200-280 vis., 3, 15-25 pour, tanks.	gal.	.15 - .17½
Pennsylvania,[3] bright stocks, 3 color, 140-150 vis., 10-25 pour, tanks.	gal.	.24 - .30
Oil, lubricating, at refinery, ex tax Penna., cylinder oils, 600-630 flash, tanks.	gal.	.16 - .17
600-650 steam ref'd, tanks.	gal.	.15 - .15⅛
neutral, 70° F., 3 color, 150 vis., 0-25 pour, tanks.	gal.	.22 - .24
200 vis., 0-15 pour, tanks.	gal.	.24 - .26
150 vis., 0-15 pour, tanks.	gal.	.27½- —
200 vis., 0-15 pour, tanks.	gal.	.29½- —
Mace, dist., cns., dms.	lb.	4.50 - 6.50
Mandarin, Brazilian, cns.	lb.	6.75 - 9.00
Italian, coppers	lb.	15.10 - —
Menhaden,[1,5] crude, tanks, Balto.	lb.	.0680- —
ref'd, alkali, ret. dms.	lb.	.1270- .1290
kettle-bodied, ret. dms.	lb.	.1370- .1390
light-pressed, ret. dms.	lb.	.1170- .1190
tanks	lb.	.1090- .1100
Mineral, white (see Oil, white mineral).		
Mustard, artif., USP, bots., cns.	lb.	1.60 - 1.70
Seed,[5] exp., dms.	lb.	.15 - —
Neatsfoot,[5] 15° c.t., bbls.	gal.	1.90 - —
20°, bbls.	gal.	1.80 - —
30°, bbls.	gal.	1.60 - —
pure, bbls.	lb.	.18¼ Nom.
Neroli, bots.	oz.	300.00-375.00
Nutmeg, dist., cns., dms.	lb.	4.50 - 6.50
Otticica,[1,5] liquid, dms.	lb.	.25 - —
solid, dms.	lb.	.23 - —
Oleo,[5] 1, bbls.	lb.	.13¾ Nom.
Olibanum, bots.	lb.	4.50 - —
Olive,[5] denat., dms.	gal.	3.50 - 4.00
edible, Calif., dms.	gal.	4.00 - 4.25
imported, dms.	gal.	4.25 - 4.50
Oil, olive, foots, dms.	lb.	.19 Nom.
sulphonated, 50% (40% fat), dms. c.l.	lb.	No prices
l.c.l.	lb.	No prices
35% (69% fat), dms., c.l.	lb.	No prices
l.c.l.	lb.	No prices
80% (69% fat), dms., c.l.	lb.	No prices
l.c.l.	lb.	No prices
Orange, sweet, dist., cs.	lb.	1.00 - —
expressed, Calif., cns.	lb.	2.25 - —
Argentine, 10-kilo cns.	lb.	3.00 - 3.25
Brazilian, cns.	lb.	1.45 - 1.65
Florida, cns., dms.	lb.	1.50 - 1.55
Messina, USP, coppers	lb.	No stocks
Mexican, sponge-pressed, cns.,	lb.	5.50 - 5.75
West Indian, cns.	lb.	6.00 - 6.25
sesquiterpeneless, bots.	lb.	195.00 - —
Origanum, Spanish, cs.	lb.	2.40 - 3.25
Palmarosa, cns.	lb.	5.05 - 6.25
Palm,[1,5] Niger, bulk, c.l.f.	lb.	.0825- —
Paraffin,[1] 320° flash, 60-70 vis., tanks, G.S.	gal.	.05¼- —
350° flash, 70-80@100 vis., 0/10 pour.	gal.	.06 - —
100-100 vis., 0/10 pour.	gal.	.06¼- —
100-100 vis., 10/25 pour.	gal.	.06¼- —
80-85 vis., bbls., extra, Ind. refy.	gal.	.12 - —
100-105 vis., bbls., extra, Ind. refy.	gal.	.14 - —
300[1] flash, 100-110 vis., tanks, G.S.	gal.	.05¾- —
Patchouli, cns.	lb.	6.45 - 9.00
Peanut,[1,5] crude, tanks, mill.	lb.	.13 - —
refd., edible, bbls.	lb.	.17 Nom.
Pennyroyal, dom., cns.	lb.	3.00 - 3.10
import, cns.	lb.	2.50 - 3.00
Peppermint, natural, cns., dms.	lb.	5.50 - 5.75
redist., USP, cns., dms.	lb.	5.85 - 6.20
Perilla,[1,5] crude, dms.	lb.	.2450- —
Petitgrain, Paraguay, cns.	lb.	1.75 - 2.00
dms.	lb.	1.70 - 1.95
Pimento berry, cns.	lb.	8.00 - 8.75
leaf, cns.	lb.	4.75 - 5.25
Pine, tanks, works	gal.	.55 - —
Pineneedle, Siberian, cns.	lb.	3.00 - 3.25
Putty,[3] bbls., E. Segundo, Richmond, Cal.	gal.	.22½- —
contracts	gal.	.19½- —
Whiting, Ind.	gal.	*.34 - —
dms., c.l., Boston, Providence	gal.	.25 - —
l.c.l., same basis	gal.	.27 - —
tanks, same basis	gal.	.18 - —
Martinez, Cal.	gal.	.28 - —

* Extra for bbls. but subject to quantity discounts, ranging from 2c. to 5c. per gallon, according to amount purchased.

Red,[5] dms., dlvd.	lb.	.11¾- .12¾
tanks, dlvd.	lb.	.11 - —
Rose, natural, coppers	oz.	15.50 -35.00
Rosemary, Spanish, cns.	lb.	1.75 - 2.35
dms.	lb.	1.65 - 2.25
Rosin, 1st rectified, dms.	gal.	.38 - —
2d rectified, dms.	gal.	.60 - —
3d rectified, dms.	gal.	.64 - —
Rue, bots.	lb.	7.50 -13.50
Sage, Spanish, cns.	lb.	3.50 - 3.75
Sandalwood, domestic, distilled, NF, cns.	lb.	6.00 - 6.10
Mysore, cns., case lots	lb.	7.00 - 7.25
Sardine, crude,[1,5] tanks, Pac. Coast.	lb.	.0690- —
ref'd, alkali, ret. dms.	lb.	.1270- .1290
kettle-bodied, ret. dms.	lb.	.1370- .1390
light-pressed, ret. dms.	lb.	.1170- .1190
tanks	lb.	.1090- .1100
Sassafras, artif., cns.	lb.	2.00 - 2.25
natural, dom., cns., dms.	lb.	2.00 - 2.40
Savin, cns.	lb.	16.00 -25.00
Savory, cns.	lb.	No stock
Sesame, tanks, Coast.	lb.	.15 Nom.
Shingle stain, bbls., c.l., works,	gal.	.19 - —
l.c.l., works	gal.	.20 - —
tanks, works	gal.	.14 - —
Snakeroot, Canada, cns.	lb.	No stocks.
Soybean,[1,5] crude, tanks, mill,	lb.	.1175- —
clarif., dms., spot	lb.	.1290- .1340
tanks	lb.	.1259- —
refd., varnish, dms.	lb.	.1389- .1400
tanks	lb.	.1340- —
Spearmint, dms.	lb.	3.00 - 3.40
Sperm,[5] bleach, 38°, dms.	lb.	.1301- —
45°, dms.	lb.	.1278- —
natural, dms.	lb.	.1223- —
Spruce, cns., dms.	lb.	1.15 - 1.30
Sunflower,[1,5] tanks.	lb.	.1430- —
Sweet birch, North, cns.	lb.	4.75 - 6.00
South, cns.	lb.	2.50 - 4.75
Tall, crude, dms., c.l., works,	ton.	55.00 - —
l.c.l., works	ton.	60.00 -65.00
tanks, works	ton.	40.00 - —
refined, dms., c.l., works	lb.	.05 - —
l.c.l., works	lb.	.05¼- —
tanks, works	lb.	.04½- —
Tallow,[5] acidless, bbls.	lb.	.14¼- —
tanks	lb.	.13⅝- —
Tansy, cns.	lb.	3.00 - 3.90
Tar, pine, com'l, dms., c.l., dlvd. E. cities.	gal.	.33 - —
l.c.l., E. cities	gal.	.30 - —
tanks, dlvd. E. cities.	gal.	.24¼- —
rectified, USP, bbls., l.c.l., dlvd. E. cities.	gal.	.60 - —
Tar acid (see T).		
Teaseed,[1] crude, dms.	lb.	.29 Nom.
refd., dms.	lb.	.32 Nom.
Thyme, NF, red, cns.	lb.	2.50 - 4.00
white, cns.	lb.	2.85 - 4.75
Tung (see Oil, chinawood).		
Turkey, red (see Oil, castor, sulphonated).		
Turpentine (see T).		
Turtle, cns.	gal.	8.50 - —
Vetiver, Java, bots.	lb.	25.00 -40.00
Whale, ref., natural, dms.	lb.	.1070- —
Winter, bleach, dms.	lb.	.1110- —
Wheat germ, 100-gal. dms., dlvd.	gal.	10.00 - —
25-gal. dms.	gal.	12.50 - —
10-gal. dms.	gal.	13.50 - —
5-gal. dms.	gal.	14.00 - —
1-gal. dms.	gal.	15.00 - —
White, mineral, dom., f.o.b. N. Y., tech., 50-65 vis., returnable dms., c.l.	gal.	.36 -
l.c.l.	gal.	.42 - .45
65/75 vis., c.l.	gal.	.36 - —
l.c.l.	gal.	.42 - .45
USP, 80/90 vis., dms., c.l.	gal.	.39 - —
l.c.l.	gal.	.45 - .48
95/105 vis., dms., c.l., gal.	gal.	.44½- —
l.c.l.	gal.	.50¼- .53⅛
125/135 vis., dms., c.l., gal.	gal.	.49 - —
l.c.l.	gal.	.55 - .58
145/155 vis., dms., c.l., gal.	gal.	.51 - —
l.c.l.	gal.	.57 - .60
175/185 vis., c.l.	gal.	.54½- —
l.c.l.	gal.	.60¾- .63⅛
200/210 vis., c.l.	gal.	.58 - —
l.c.l.	gal.	.64 - .67
320/330 vis., c.l.	gal.	.65 - —
l.c.l.	gal.	.71 - .74
335/345 vis., c.l.	gal.	.66 - —
l.c.l.	gal.	.72 - .75

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SUN PETROLEUM PRODUCTS.. HELPING INDUSTRY HELP AMERICA

Oil, white, mineral, dom., USP, f.o.b. San Francisco, 55 vis., returnable bbls., c.l.	gal.	.40	—
5 bbls.	gal.	.45	—
85 vis., c.l.	gal.	.40	—
5 bbls.	gal.	.45	—
100 vis., c.l.	gal.	.49½	—
5 bbls.	gal.	.54½	—
145 vis., c.l.	gal.	.57	—
5 bbls.	gal.	.62	—
180 vis., c.l.	gal.	.60½	—
5 bbls.	gal.	.65½	—
840 vis., c.l.	gal.	.72	—
5 bbls.	gal.	.77	—
Russian	gal.	No prices	
Wintergreen, natural, North, cns.	lb.	5.50	- 7.00
South, cns.	lb.	4.00	- 5.25
synth. (see Methyl salicylate).			
Wood (see Oil, chinawood).			
Wormseed, cns.	lb.	2.75	- 3.00
Wormwood, cns.	lb.	4.25	- 5.00
Ylang-ylang, Bourb., bots., cns.,	lb.	20.00	-28.00
Manila, bots.	lb.	40.00	-45.00
Olivine, aggregate, c.l., mines,	ton.	7.00	-11.00
Lumps, same basis.	ton.	7.00	- —
Spalls, same basis.	ton.	5.00	- —
crushed, 8 mesh, bulk, c.l., works.	ton.	8.00	- —
paper bgs., c.l., works.	ton.	9.50	- —
325 mesh, c.l., mines.	ton.	20.00	- —
200 mesh, c.l., mines.	ton.	17.00	- —
100 mesh, c.l., mines.	ton.	15.00	- —
20 mesh to dust.	ton.	12.00	- —
Opium gum, USP, 50-lb. lots, cns.	lb.	13.00	- —
25-lb. lots, cns.	lb.	13.25	- —
5-lb. lots, cns.	lb.	13.50	- —
1-lb. lots, cns.	lb.	13.65	- —
Prices on powd. and gran. USP opium are $1.50 per pound higher.			
Orange, Lake, Persian, bbls.	lb.	.30	- .45
Mineral, Amer., bbls., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash.	lb.	.12¼	- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.12¾	- —
5 tons, dlvd. Colo., Mont., N. M., Wyo.	lb.	.12½	- —
dlvd. other points.	lb.	.13	- —
smaller lots, dlvd., Ala., etc.,	lb.	.12¾	- —
Ariz., etc.	lb.	.13¼	- —
Colo., Mont., N.M., Wyo.,	lb.	.13	- —
French, Tours, casks, ex dock,	lb.	No prices	
kgs., ex dock	lb.	No prices	
Molybdate,[6] bbls.	lb.	.31	- —
Toner, bbls.	lb.	.80	- 1.05
Orangeflower petals, cs.	lb.	45	- .75
Orange peel, bitter, bbls.	lb.	.30	- .31
sweet, bbls.	lb.	.15	- .17
Haitian, bgs.	lb.	.09	- .10
Oregano, Mexican, bgs.	lb.	.15¼	- .15¾
Orris root., whole	lb.	1.00	- 1.25
powd., bbls., bxs.	lb.	1.10	- 1.35
Orthoamylphenol, t. c. l., dms., works.	lb.	.25	- —
Orthoanisidin, bbls.	lb.	.70	- —
Orthochloroanilin, dms.	lb.	60	- .70
Orthochlorophenol, dms.	lb.	.32	- —
Orthocresol,[9] 30.4°C. Min. M. P., dms., c.l., works.	lb.	.17¼	- .18
l.c.l., same basis.	lb.	.18	- .18¼
Orthocresol, 29° Min. M. P., dms., c.l., works.	lb.	.16½	- .17
l.c.l., same basis.	lb.	.17	- .17½
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies.	lb.	.06	- .07½
l.c.l., same basis.	lb.	.07	- .08½
100-lb. tins, same basis.	lb.	.08	- .09
50-lb. tins, same basis.	lb.	.09	- .10
tanks, same basis.	lb.	.05½	- .06½
Orthodichlorobenzene prices west of Rockies, 1c. per lb. higher.			
Orthonitroanilin, dms.	lb.	.45	- —
Orthonitrochlorobenzene, dms.	lb.	.15	- .16
Orthonitroparachlorophenol, cns.	lb.	.75	- —
Orthonitrotoluene, dms.	lb.	.09	- —
Orthophenetidin, dms.	lb.	.82	- —
Orthotoluidin, dms.	lb.	.19	- —
Osage orange, crystals, bgs.	lb.	.23	- —
extract, bbls., No. 1.	lb.	.11	- —
No. 2.	lb.	.10	- —
Oxyquinolin sulphate, cns., 100 lbs., works.	lb.	3.50	- —
bots., cns., 1-50 lbs.	lb.	3.75	- 4.15

P

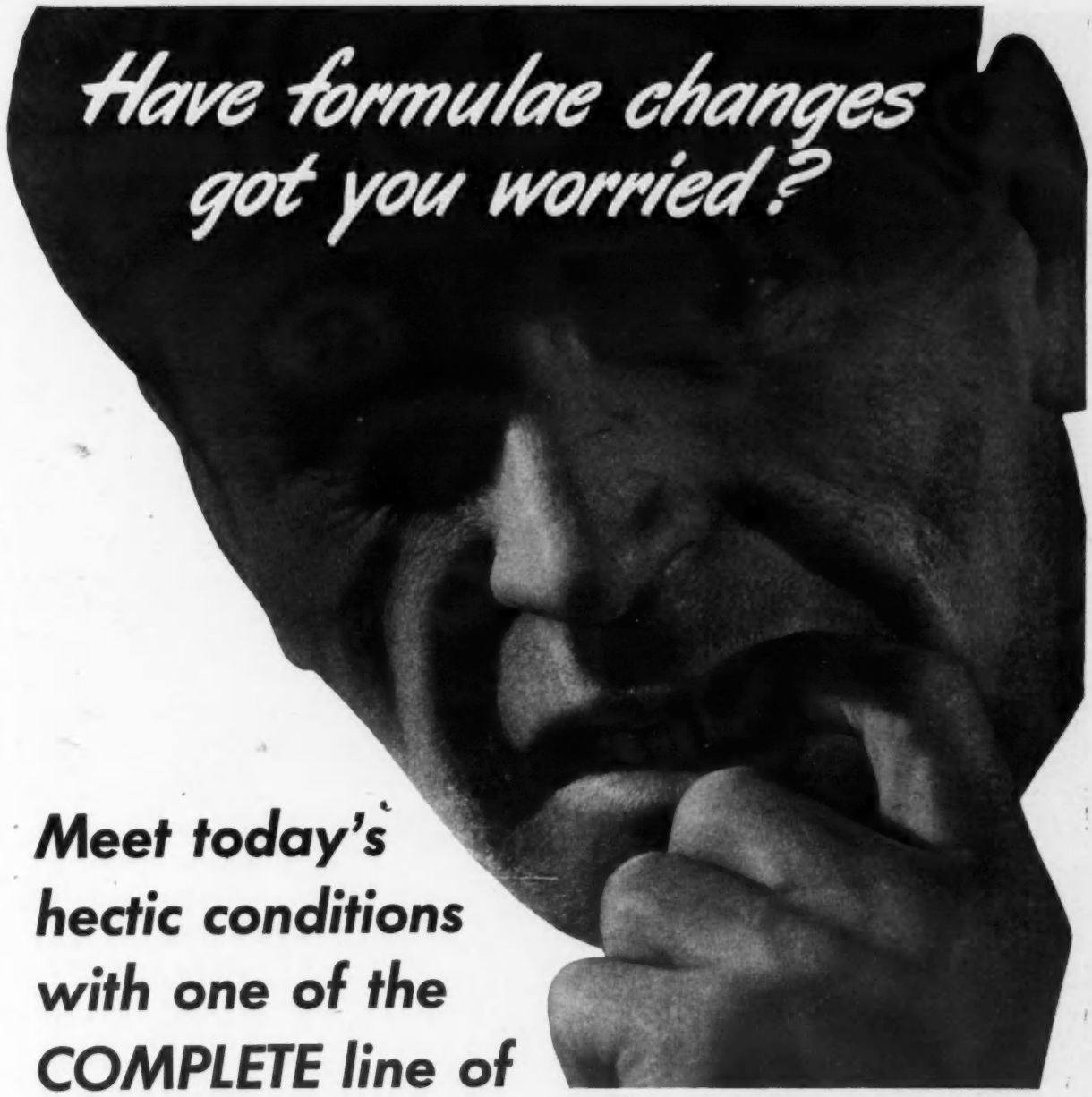
Papain, powd., cs.	lb.	4.00	- 4.25
Paprika,[1] Portuguese, extra fancy bgs.	lb.	.38½	- .39
good, bgs.	lb.	.37½	- .38
Spanish, extra fancy, cs.	lb.	.51	- .52
good, bgs.	lb.	.42	- .43
medium, cs.	lb.	.41	- .42
Parachlorophenol, dms.	lb.	.32	- —
Paracymene, refd., dn.	gal.	.75	- 1.25
Paradichlorobenzene, dms., c.l.	lb.	.11	- .13
l.c.l.	lb.	.12½	- .15
Paraffin,[1] crude scale and semi-refined, 122-124 A.M.P., slack bbls. or solid in 100-kilo bgs., 10,000 lbs., f.o.b. refinery.	lb.	.04¼	- —
124-126 A.M.P., same basis.	lb.	.04¼	- —
126-128 A.M.P., same basis.	lb.	.04¼	- —
128-130 A.M.P., same basis.	lb.	.04¾	- —
130-132 A.M.P., same basis.	lb.	.05	- —
132-134 A.M.P., same basis.	lb.	.05¼	- —
134-136 A.M.P., same basis.	lb.	.05½	- —
fully refined, 120-122 A.M.P., bbls., slabs, loose, same basis.	lb.	.05	- —
123-125 A.M.P., slabs, loose, same basis.	lb.	.0520	- —
Paraffin, fully refined:—			
120-122 A.M.P., slabs, loose, same basis.	lb.	.0520	- —
128-130 A.M.P., slabs, loose, same basis.	lb.	.0560	- —
130-132 A.M.P., slabs, loose, same basis.	lb.	.0585	- —
131-133 A.M.P., slabs, loose, same basis.	lb.	.0585	- —
133-135 A.M.P., slabs, loose, same basis.	lb.	.0615	- —
135-137 A.M.P., slabs, loose, same basis.	lb.	.0640	- —
138-140 A.M.P., slabs, loose, same basis.	lb.	.0715	- —
141-143 A.M.P., slabs, loose, same basis.	lb.	.0765	- —
143-145 A.M.P., slabs, loose, same basis.	lb.	.0810	- —
145-150 A.M.P., slabs, cartons, same basis.	lb.	.0860	- —
146-148 A.M.P., slabs, loose, same basis.	lb.	.0930	- —
149-151 A.M.P., slabs, loose, same basis.	lb.	.10¼	- —
Paraffin, fully refd., 160-165 A.M.P., f.o.b. refinery, San Francisco, c.l.	lb.	.14	- —

Paraffin wax, crude and semi-refined, packed in 50-kilo bgs., is 10 points per lb. higher; prices on slabbed material are 20 points per lb. higher than on solid. Tankcar prices are 30 points less than barrel prices. Fully refined wax in bags is 40 points higher than slabs loose; fully refined wax in tankcars is 5 points lower than slabs loose prices.

Paraformaldehyde,[8,5] dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C.	lb.	.23	- —
100 to 900 lbs., shipments, same basis.	lb.	.24	- —
Paranitrophenol, kgs.	lb.	.35	- —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., l.c.l., works.	lb.	.12	- —
5 and 10-gal. dms., works.	lb.	.15	- —
USP, cns., cbys.	lb.	.37	- .45
Paranisidine, dms.	lb.	.75	- —
Paranitroanilin, kgs., works.	lb.	.45	- —
Paranitrochlorobenzene, kgs.	lb.	.15	- —
Paranitrotoluene, kgs.	lb.	.30	- —
Paraphenylenediamine, bbls.	lb.	1.25	- 1.30
Paratoluenesulphonamide, bbls.	lb.	.70	- —
Paratoluidin, bbls.	lb.	.48	- —
Pareira brava root, bls.	lb.	.21	- .23
Paris green, dealer, dms., kegs, c.l., f.o.b. wks., frt. alld.	lb.	.24	- .31
l.c.l., same basis.	lb.	.23	- .27
Passion flower, herb, bls.	lb.	.07	- .08
Patchouli leaves, bls.	lb.	.35	- .40
Peanut meal, 45-47% protein, Southern Alabama-Georgia mills, February delivery.	ton.	35.00	- —
48-50%, same basis.	ton.	37.00	- —
51% or more, same basis.	ton.	39.00	- —
Pectin, 200-lb. bbls.	lb.	.80	- —
Pelitory root, bls.	lb.	.65	- .70
Pennyroyal leaves, bls.	lb.	.15	- .16
Pentachlorophenol, dms., works,	lb	.20	- .25
Pentaerythritol, C.P., bbls., dlvd.,	lb.	.75	- —
less than barrel lots.	lb.	1.00	- —
tech., bbls., dlvd.	lb.	.33½	- 85½
less than barrel lots.	lb.	.40	- —
Tetra acetate, bbls., dlvd.	lb.	1.00	- —
less than barrel lots.	lb.	1.50	- —
Pentanes,[1] 28°38° C., industrial grade, dms., c.l., G.3,	gal.	.11	- —
l.c.l., G.3.	gal.	.19	- —
tanks, G.3	gal.	.06½	- .07½
laboratory grade, dms., c.l., G.3.	gal.	.16	- —
l.c.l., G.3.	gal.	.29	- —
10 gal., G.3.	gal.	.55	- —
Pepper, black,[1] 15 tons, bgs.	lb.	.0670	- .0675
50 to 100 bgs.	lb.	.0695	- .0700
White,[1] 15 tons, bgs.	lb.	.1161	- —
24 bgs.	lb.	.1295	- .1305
red, chillies, dom., Carolina longs, bgs.	lb.	.18½	- .19
Mombassa, bgs.	lb.	.24	- .25
Sierra Leone, bgs.	lb.	.22½	- .23
Peppermint leaves, dom., bls.	lb.	.40	- .45
import, bls.	lb.	.96	- 1.10
Perchlorethylene,[6] dms., c.l., works, frt. alld., zone 1,	lb.	.06	- —
l.c.l., same basis.	lb.	.08¼	- —
Zone 2, dms., c.l., works, frt. alld.	lb.	.08¼	- —
l.c.l., same basis.	lb.	.09	- —
Perchlorethylene, Zone 3, dms., c.l., works, frt. alld.	lb.	.09	- —
l.c.l., same basis.	lb.	.09¼	- —
Zone 4, dms., c.l., f.o.b. stock point.	lb.	.09	- —
l.c.l., same basis.	lb.	.09¼	- —

All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru balsam, dms.	lb.	1.35	- 1.40
Petrolatum, USP XII, amber, fiber dms., non-returnable, c.l., f.o.b. New York.	lb.	.03¾	- —
l.c.l., same basis.	lb.	.04¼	- —
extra amber, c.l., same basis,	lb.	.03¾	- —
l.c.l., same basis.	lb.	.04¼	- —
cream, c.l., same basis.	lb.	.04¼	- —
l.c.l., same basis.	lb.	.06¼	- —
yellow, soft, c.l., same basis,	lb.	.03¾	- —
l.c.l., same basis.	lb.	.04¼	- —
white, USP XII, lily, c.l., same basis.	lb.	.05½	- —
l.c.l., same basis.	lb.	.07	- —



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SHELL

Petrolatum, snow, c.l., same basis..lb. .06¼- —
l.c.l., same basis.....lb. .07¾- —
snow, soft, c.l., same basis, lb. .05¼- —
l.c.l., same basis.....lb. .06¼- —
dark, bbls., returnable, c.l., Group 3..lb. .021 - —
l.c.l., same basis.....lb. .025 - —
golden topaz, c.l., same basis, lb. .032 - —
l.c.l., same basis.....lb. .036 - —
red veterinarian, c.l., same basis..lb. .024 - —
l.c.l., same basis.....lb. .028 - —

Petroleum, crude, bulk, at wells, California, gravity 18-18.9 and below..bbl. .80 - —
30-30.9 and above....bbl. 1.23 - —
Illinois basin.....bbl. 1.37 - —
Louisiana-Arkansas ...bbl. .86 - 1.36
Oklahoma-Kansas, gravity 20-20.9 and below..bbl. .75 - —
40 and above.....bbl. 1.25 - —
Pennsylvania, Bradford-Allegany..bbl. 3.00 - —
Buckeye lines.....bbl. 2.55 - —
Corning .....bbl. 1.31 - —
Eureka lines.....bbl. 2.59 - —
N.Y. Transit lines...bbl. 3.00 - —
National Transit lines, bbl. 3.00 - —
S.W. Penn. lines....bbl. 2.65 - —
Texas, Conroe.....bbl. 1.43 - —
East .....bbl. 1.25 - —
Gulf Coast, gravity 19-19.9 and below..bbl. 1.06 - —
40 and above.....bbl. 1.48 - —
Pecos County.....bbl. .95 - —

Petroleum, crude, bulk, at wells, Texas:—
West (and Lea County, N. M.), gravity 19-19.9 and below..bbl. .70 - —
40 and above.....bbl. 1.12 - —
Wyoming, Lance Creek.bbl. 1.12 - —
Ether, laboratory grade, 30-60°C., c.l..lb. .18 - —
l.c.l. .....gal. .29 - —
10 gals.....gal. .55 - —
35-60°C., l.c.l.....gal. .29 - —
10 gals.....gal. .55 - —
40-75°C., c.l.....gal. .16 - —
l.c.l. .....gal. .29 - —
10 gals.....gal. .55 - —

Petroleum ether prices are spot quotations f.o.b. Group 3, for material packed in drums

Fuel oil, at refinery:—
Oklahoma, No. 3, tanks..gal. .03½- —
No. 6.....bbl. .80 - .90
14-16 .....bbl. .95 - —
Group 3, No. 3, tanks....gal. 03½- —
No. 5.....bbl. .85 - —
No. 6.....bbl. .80 - .85
Petroleum, fuel oil, Kansas, No. 6..bbl. .90 - —
Arkansas, No. 3, tanks...gal. .03½- —
Pennsylvania, No. 1, tanks, gal. .05⅞- .07⅞
No. 2.....gal. .05⅞- .07⅞
No. 3... .....gal. .05⅞- .07⅞
California, heavy.....bbl. .80 - .85
light .....bbl. .85 - .95
diesel, tanks.....gal. .03 - .054
stove, distillate ..gal. .03 - .05½
No. 1, tanks.....gal. .04 - —
No. 2, tanks.....gal. .03½- —
No. 3, tanks.....gal. .03½- —

Petroleum, lacquer diluent, at refinery:—
California, 100 l.b.h., 200 e.p., tanks, dlvd. Los Angeles, gal. .11 - —
Fort Welles, Wash....gal. .12 - —
San Francisco.....gal. .11½- —
Willbridge, Ore.....gal. .12 - —
East Coast, N. Y., tanks, gal. .11 - —
N. J., tanks.....gal. .11½- —
Group 3, benzol type, tankcars..gal. .07⅞- —
toluol type, tanks.....gal. .07⅞- .07⅛
Mineral spirits, at refinery, California (f.o.b. San Francisco), 163-252 b.r., tanks, gal. .10½- —
198-290 b.r., tanks...gal. .10¼- —
246-397 b.r., tanks...gal. .10½- —
312-408 b.r., tanks...gal. .09 - —
362-458 b.r., tanks...gal. .09 - —
East Coast, N. Y., tanks, gal. .10 - —
N. J., tanks.....gal. .10 - —
Group 3, tanks.....gal. .06½- —
Gulf Coast, tanks.....gal. .06½- —
tankwagon, Baltimore, 25-100 gals..gal. .13 - —
100 gals. or more.....gal. .12 - —
Boston .....gal. .12 - —
Bridgeport, Conn.....gal. .1650- —
Buffalo .....gal. .1240- —
Camden, N. J.....gal. .11 - —
Chicago .....gal. .13½- —
Detroit .....gal. .1580- —
Hartford .....gal. .1630- —
Kansas City, Mo.....gal. .1480- —
Lancaster, Pa .....gal. .12 - —

Petroleum, mineral spirits, tankwagon:—
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1430- —
Newark (200 gal.).....gal. .11 - —
New York (200 gal.)....gal. .11 - —
Philadelphia .....gal. .11 - —
Pittsburgh .....gal. .129 - —
Providence .....gal. .13 - —
Rochester .....gal. .1320- —
St. Louis.....gal. .1370- —
Syracuse .....gal. .14 - —
Washington, D. C.....gal. .13 - —
Wilmington, Del.....gal. .13 - —

Naphtha, cleaners, at refinery:—
California (f.o.b. San Francisco), tanks..gal. .12 - —
East Coast, N. Y., tankcars..gal. .11 - —
N. J., tankcars.....gal. .11 - —
Group 3, tankcars.....gal. .07½- —
Gulf Coast (f.o.b. New Orlans), tankcars..gal. .06¾- —
tankwagon, Boston.....gal. .13 - —
Bridgeport .....gal. .1730- —
Chicago .....gal. .1380- —
Detroit .....gal. .15 - —
Milwaukee .....gal. .1440- —
Minneapolis .....gal. .1430- —
Newark .....gal. .12 - —
New York.....gal. .12 - —
Philadelphia .....gal. .125 - —
St. Louis.....gal. .1470- —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway. gal. .21½- —
No. 2, over 90% arom., same basis..gal. .21½- —
No. 3, same basis.....gal. .22½- —
No. 8, tanks, f.o.b. Bayway, N. J., frt. alld..gal. .228 - —
No. 30, tanks, f.o.b. Kingsland, N. J., frt. alld..gal. .223 - —
No. 40, tanks, f.o.b. Wilmington, Cal.....gal. .13½- —
V.M.&P., at refinery:—
California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond .....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-77, 190 l.b.p., 310 e.p., tanks, dlvd. Los Angeles .....gal. .10 - —
dlvd. Los Angeles...gal. .10 - —
San Francisco....gal. .10¼- —
Portland, Seattle.gal. .11 - —
East Coast, N. Y., tanks, gal. .11 - —
N. J., tanks.....gal. .11 - —
Group 3, tanks.....gal. .07¼- —
Gulf Coast (dlvd. New Orleans), tanks..gal. .06½- —
tankwagon, Boston.....gal. .13 - —
Chicago .....gal. .1380- —
Detroit .....gal. .15 - —
Milwaukee .....gal. .1540- —
Minneapolis .....gal. .1520- —
Newark (200 gal.).....gal. .125 - —
New York.....gal. .12 - —
Philadelphia .....gal. .123 - —
Pittsburgh .....gal. .12½- —
St. Louis.....gal. .1470- —

Solvent, rubber, at refinery, California (f.o.b. San Francisco)..gal. .24 - —
East Coast, N. Y., tanks..gal. .11 - —
N. J., tanks.....gal. .11 - —
Group 3, tanks.....gal. .07½- —
Stoddard (CS 8-83), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, N. Y., tanks, gal. .09¼- —
N. J., tanks.....gal. .09¼- —
Group 3, tanks.....gal. .06¾- —
tankwagon, Baltimore...gal. .13 - —
Boston .....gal. .12 - —
Chicago .....gal. .13½- —
Detroit .....gal. .1550- —
Milwaukee .....gal. .1440- —
Minneapolis.....gal. .1420- —
Newark .....gal. .11 - —
New York.....gal. .11 - —
Philadelphia .....gal. .11 - —
Pittsburgh .....gal. .12½- —
St. Louis.....gal. .1370- —
Syracuse .....gal. .14 - —

Phenobarbital, 5-lb. tins.....lb. 3.60 - 3.70
dms., 100 lbs., spot or contract, lb. 3.50 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .12½- —
l.c.l., same basis.....lb. .13¾- —
tanks, same basis.....lb. .11½- —
Phenolphthalein, USP, bbls.,dms., 2,000-lb. lots..lb. .85 -
bbls., dms., kgs., 100-250 lbs., lb. .87 - .90
yellow, fib. dms., 2,000-lb. lots. lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenothiazin, Unmodified, fib. dms., incl., 2,000-lb. shipt. lb. .55 - —
150 lbs., same terms.....lb. .65 - —
100 lbs., same terms.....lb. .67 - —
50-lbs., same terms.....lb. .70 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 4.50 - 5.00
dimethylacetate, cns.....lb. 14.50 -15.00
Phenylethyl acetate, cns.....lb. 5.00 - 5.20
Phenylethylphenyl acetate, bots., lb. 8.00 -10.00
Phenylhydrazin, base, CP, bots., lb. 4.55 - —
Hydrochloride, CP, bots., works, lb. 7.10 - —
commercial, kgs., works...lb. 1.75 - —
Phloroglucinol, CP, tins, wks..lb. 20.00 -22.00
tech., tins, works.....lb. 15.00 -16.00
Phosgene, tan lots, works....lb. .19 - —
Phosphate rock, Fla., land pebble, unground, run-of-mine, washed, dried, 68%-66% B.P.L., according to provisions of Maximum Price Regulation 240, bulk, f.o.b. cars, mine, c.l....long ton. 2.00 - —
70%-68% B.P.L., M.P.R. 240 provisions, same basis..... long ton. 2.40 - —
72%-70% B.P.L., M.P.R. 240 provisions, same basis..... long ton. 3.00 - —
75%-74% B.P.L., M.P.R. 240 provisions, same basis..... long ton. 4.00 - —
77%-76% B.P.L., M.P.R. 240 provisions, same basis..... long ton. 5.00 - —
finely ground, M.P.R. 240 provisions, same basis..... short ton. 2.75 - —
68%, basis 31% P_2O_5 minimum..short ton. 3.00 - —
70%, basis 32% P_2O_5 minimum..short ton. 3.25 - —
All pebble, 50c. per ton higher than above prices.
Tenn., brown phosphate rock, unground, run-of-mine, washed, dried, 68%-66% B.P.L., f.o.b. cars, mines, c.l..long ton. 4.30 - —

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Our job is to provide the kind of Skellysolve you need and to *get it to you* when you need it.

We can and will do both . . . *any* quantity within reason—*anywhere.* Write, phone, or wire and you'll get action.

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***in the* OIL, PAINT *and* DRUG FIELD**

The Skellysolve line includes naphthas specially fractionated for all laboratory and industrial uses. We furnish a full line of V. M. & P. naphthas, mineral spirits, and lacquer diluents, as well as many other special hydrocarbons. Our technical staff has aided many manufacturers in developing formulas for new or improved products which have proved to be of great value. Write or wire for full information today.

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SOLVENTS DIVISION, SKELLY OIL CO.
SKELLY BLDG., KANSAS CITY, MO.

Phosphate rock, Tenn., brown, ungrd., 70%-68% B.P.L., 5% I. & A., M.P.R. 240 provisions, same basis..long ton. 4.80 - —
72%-70% B.P.L., 5½% I. & A., M.P.R. 240 provisions, same basis..long ton. 5.80 - —
finely ground rock, M.P.R. 240 provisions, same basis, short ton. 4.50 - —
30% P_2O_5, same basis..... short ton. 4.70 - —
31% P_2O_5, same basis..... short ton. 4.80 - —
32% P_2O_5, same basis..... short ton. 5.00 - —
33%, P_2O_5, same basis..... short ton. 5.50 - —
Phosphorus, red, amorphous, cs., lb. .40 - .44
tins for export.....lb. .55 - —
yellow,[9] dms.....lb. .18 - .20
cases .....lb. .23 - .25
Oxychloride,[3] cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works..lb. .11 - .12
l.c.l., dms., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., wks., ton..lb. .35 - —
single, bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride,[4] bbls., c.l., works, frt. alld. E. of Miss. R—lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .08 - .09½
Picrotoxin, bots.....oz. 3.00 - —
Pilocarpine hydrochloride, bots., vls..oz. 3.90 - 5.25
Nitrate bots., vls.....oz. 3.80 - 5.15
Pimento,[1] Jamaica, bgs.....lb. .29 - .29½
Mexican (see Allspice, Mexican).
Pinkroot, bls.....lb. .63 - .80
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l. .....ton.22.00 - —
Hardwood, 1-time, dms., c.l., dlvd., Akron..ton.23.75 -24.00
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pitch, pine, dms.....100 lbs. 3.25 - —
stands, 200 lbs.....stand. 6.00 - —
Plaster of paris (see Gypsum).
Pleurisy root, Southern, bls...lb. .12 - .13
Podophyllin, dms., dlvd. E. of Miss..lb. 8.75 - 9.00
Pokeroot, bbls. .....lb. .10 - .11
Polyamyl naphthalene, l.c.l., dms., works..lb. .25 - —
Pomegranate bark, bgs.....lb. 1.05 - 1.10
Root bark, bgs.....lb. .80 - .85
Poppy flowers, red, bls.....lb. .65 - .85
seed, Dutch, bgs.....lb. .50 - .52
Indian, white, bgs.....lb. .09½- .09¾
Turkish, bgs.....lb. .35½- .36
Potash abietate.....lb. .06 - —
Acetate, USP, bbls., 250 lbs..lb. .28 - —
cns., 25 lbs.....lb. .31 - .44
Arsenite,[9] USP, solut., 100-lb. lots, cbys., demjs..lb. .13 - .15
Bicarbonate, USP, cryst., or gran., bbls., kgs., 300 lbs. lb. .19 - .21
gran., bbls., kgs., 250 lbs.lb. .19 - .21
Bichromate,[3,8] spot, c.l., cks., bbls., works..lb. .09¾- —
5 casks or 10 bbls., or over, works..lb. .09¾- —
5 casks or 9 bbls., or less, works..lb. .10 - —
Potash bichromate in bgs., ¼c. less.
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - .31
kgs., 100 lbs.....lb. .28 - .32
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis.lb. .03½- —
tanks, same basis.....lb. .02¾- —
USP, gran., bbls., 325 lbs..lb. .14 - .16
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
l.c.l., works.....lb. .07½- —
liquid, 45% basis, dms.....lb. .03½- .03¾
tanks .....lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¾- —
l.c.l. .....lb. .06¾- .06¾
Chlorate,[3,6] cryst., kgs., works, lb. .11 Nom.
powd., kgs., works.....lb. .09¾- .10
Chloride, tech., 95%, cryst., bgs., kgs..lb. .06 Nom.
Chromate,[3,5] bgs.....lb. .24 - .27
Citrate, USP, gran., 250-lb. bbls., lbs..lb. .33½- —
100-lb. dms.....lb. .34½- —
25-lb. dms.....lb. .35½- —
25-lb. dms.....lb. .37½- —
powd., 3c. per lb higher.
Cyanide, dom., dms., works..lb. .55 - —
gold, 41% gold, bots., works os.14.20 -14.80
Fluoride, bbls.....lb. .34 - .40
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.50 - 1.53
100-lb. lots.....lb. 1.60 - 1.63
50-lb. lots, cbys. or cns.lb. 1.65 - 1.67
25-lb. lots, cns.....lb. 1.75 - 1.77
Guaiacolsulphonate, NF, 5lb. dms., 100-lb. lots..lb. 1.75 - —
Hydroxide, USP, sticks, dms., 100 lbs. to 1,000 lbs..lb. .34 - .36
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.40 - —
cns., 25 lbs.....lb. 3.25 - —
Iodide, bots., or cans.....lb. 1.44 - 1.48
dms .....lb. 1.35 - 1.38
Kainit, 20%, K_2O, bulk, ex vessel, Atlantic or Gulf ports. ton. No prices
Manure salt, dom., 22%, K_2O, f.o.b. Carlsbad, N. M., unit-ton. .20 - —
25% K_2O, same basis..unit-ton. .21 - —
import, 30% K_2O, bulk, ex vessel, Atlantic or Gulf ports..ton. No prices
Metabisulphite, kgs.....lb. .18 - .19
CP, cryst., 300-lb. bbls....lb. .34 - —
purified, 300-lb. bbls.....lb. .23 - —
Muriate, dom., 60-62-63%, K_2O, bulk ex vessel, ports..... unit-ton. .53½- —
granular, 50-52% K_2O unit-ton. .56 - —

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex vessel price; basis Trona, Cal., 8c. per unit of K_2O less than ex vessel price at Pacific Coast ports.

Oxalate, pure, cryst., kgs....lb. .40 - .42
tech., bbls., dms.....lb. .28 - .30
Nitrate, crude, bgs., c.i.f. ports, ton. No prices
Perchlorate,[5,6] kgs., works..lb. .09½- .11
Potash, permanganate, tech., dms., works..lb. .20¾- .22
USP, dms., works.....lb. .21¾- .23¾
Prussiate, red, bbls., dms...lb. .70 - .75
Yellow, bbls.....lb. .16 - .17
Ricinoleate, tech., bbls.....lb. .18 - —
Silicate alkaline, lumps, bgs., works..lb. .07 - —
glass, bgs., c.l.....ton.290.00 - —
l.c.l. .....100 lbs.15.25 - —
solution, 29° Be, ret. dms., c.l., works..100 lbs. 4.25 - —
l.c.l., 5 or more, works, 100 lbs. 5.00 - —
1-4, works.....100 lbs. 5.50 - —
32° Be, ret. dms., c.l., works 100 lbs. 4.75 - —
l.c.l., 5 or more, works, 100 lbs. 5.50 - —
1-4, works.....100 lbs. 6.00 - —
40.5° Be, ret. dms., c.l., works..100 lbs. 5.75 - —
l.c.l., 5 or more, works, 100 lbs. 6.50 - —
1-4, works.....100 lbs. 7.00 - —
Sulphate, NF, powd., 650 lbs., bbls..lb. .15 Nom.
100-lb. kgs.....lb. .17 - —
Prices on granular 4c. higher.
tech., dom., bulk basis, 90-95%, K_2SO_4, min. 90%, ex vessel, Atl. or Gulf ports. ton.38.25 - —
Sulphocyanide, C.P., dms....lb. .75 - .85
N.F., dms.....lb. .55 - .65
Xanthate, dms., c.l.....lb. .12 - —
Potash-magnesia, sulphate, dom., bulk, min. 40%, K_2SO_4, 18.50% MgO, ex vessel, ports. ton.26.00 - —
Potash-soda ferricyanide, dms. works..lb. .40 - .42
Potash-titanium oxalate, 350-lb. bbls..lb. .45 - —
100-lb. dms.....lb. .50 - —
Prickly ash bark, bls.....lb. .11½- .13
Berries, bgs.....lb. .23 - .32
Prince's pine herb, bls.....lb. .32 - .33
Procaine, hydrochloride, 25-lb. cns. lb. 5.00 - —
5-lb. cans.....lb. 5.25 - 5.50
1-lb. bots.....lb. 5.75 - —
Propane,[1] industrial grade, tanks, f.o.b. Group 3..gal. .08 - .08½
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. 1.10 Nom.
Pumice, dom., grd., fine, 4F, 3F, 2F, F, O, bgs., f.o.b. Chicago, 2,000 lbs. and up. lb. .04 - —
600-1,999 lbs.....lb. .04½- —
100-599 lbs.....lb. .04⅝- —
New York, 2,000 lbs. and up, lb. .03⅝- —
500-1,999 lbs.....lb. .03⅞- —
100-499 lbs.....lb. .04 - —
coarse, O½, ½, 1, 1½, 2, 3, bgs., f.o.b. Chicago, 2,000 lbs. and up..lb. .04½- —
600-1,999 lbs.....lb. .04⅝- —
100-599 lbs.....lb. .05 - —
New York, 2,000 lbs. and up..lb. .03⅝- —
500-1,999 lbs.....lb. .03⅞- —
100-499 lbs.....lb. .04¼- —
imp., Italian.....lb. No prices
Pumice stone packed in barrels is ½c. per lb. higher than the above prices.
Pumpkin seed, bgs.....lb. .12 - .13
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.90 - —
Pyrethrum[3] concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., dlvd., gal. 5.75 - —
(30 to 1), 3 grams pyrethrins per 100 cc., dms., dlvd..gal. 8.55 - —
Pyrethrum[3] flowers, coarse, grns., (g.f.p.) 0.9% pyrethrins, frt. alld., bbls..lb. .27 - .30
fine powd., 0.5 pyrethrins, frt. alld., bbls..lb. .22 - —
fine, grd., 0.9% pyrethrins, bbls..lb. .29 - —
1.3 pyrethrins, frt. alld., bbls..lb. .39 - —
Pyridin,[4] denaturing, dms....gal. 1.71 - —
refd., 2°, dms.....lb. .46 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton. No prices
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophyllite, standard, 200 mesh, c.l., mines..ton.10.00 - —
325 mesh, same basis.....ton.13.00 - —
No. 3, 200 mesh, c.l., mines.ton. 8.00 - —
325 mesh, same basis.....ton.11.00 - —
Pyroxylin scrap amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
china, white, ivory, cs., works, lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaques, cs., works..lb. .04 - —

GLASS METALS CHEMICALS MUNITIONS DYES

Potash Helps Win Battles

SOAP DRUGS ASPHALTS TEXTILES RUBBER

FOODSTUFFS INSTRUMENTS INDUSTRIAL GASES

Potash is vital . . . for machines, equipment and munitions. American production of Caustic Potash and Carbonate of Potash contributes heavily toward winning the war. Solvay Potash *is serving at the front!*

SOLVAY SALES CORPORATION *Alkalies and Chemical Products Manufactured by The Solvay Process Company*

Pyroxylin scrap, translucent pastels, cs., works.....lb. .10 - —
transparent, cs., works.....lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works...lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, dom., bls.....lb. .06 - .08
Quebracho extract, solid, 63%, bgs., c.l., ex dock, plus duty, lb. .04¾- —
clarified, 64%, bgs., c.l., same basis..lb. .05 - —
dissolved, 35% tan., bbls., works..lb. .04½- —
tanks, works.....lb. .04 - —
ground, bgs., c.l.....lb. .08½- —
l.c.l., bgs.....lb. .09 - —
Queen of the meadow leaves, bgs..lb. .12 - .13
Root, bgs.....lb. .10 - .11
Quercitron, crystals, bgs.....lb. .26 - —
extract, bgs., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No. 3.....lb. .06 - —
solid, bxs.....lb. .18½- —
Quicksilver,[1,4] dom., flasks (76 lbs. net), f.o.b. shipment point in Cal., Ore., Wash., Idaho, Utah, Nev., and Ariz..flask.191.00 - —
Tex. and Ark.....flask.193.00 - —
Quicksilver freight $4.28 per flask to N. Y.; dealers' commission, 1%; brokers, 2%.
Quince seed, bxs.....lb. 1.50 - 1.75
Quinidine,[3] NF V, cryst., cns..oz. 1.06 + .13¾*
powd., precip., cns.....oz. 1.01 + .13½
Sulphate, USP, cns.....oz. .71 + .13½

* Subject to surcharge of 13½c. per oz.; see note under Quinine.

Quinine,[3] 100 oz., cns.....oz. .84 + .13¾*
Acetate, cns.....oz. 1.05 + .13½
Arsenate, cns.....oz. 1.05 + .13½
Arsenite, cns.....oz. 1.07 + .13½
Bisulphate, cns.....oz. .60 + .13½
Citrate, cns.....oz. .78 + .13½
Dihpdrobromide, bots.....oz. .86 + .13½
Dihydrobromide, bots.....oz. .86 + .13½
Ethylcarbonate, cns.....oz. 1.25 + .13½
Ferrocyanide, cns.....oz. 1.07 + .13½
Formate, cns.....oz. 1.00 + .13½
Hydrochlorosulphate, cns....oz. .81 + .13½
Glycerophosphate, cns.....oz. 1.20 + .13½
Hydrochloride, cns.....oz. .76 + .13½
Hydroiodide, cns.....oz. 1.05 + .13½
Hypophosite, cns.....oz. 1.07 + .13½
Phosphate, cns.....oz. .90 + .13½
Salicylate, cns.....oz. .79 + .13½
Sulphate, USP XI, cns.....oz. .67 + .13½
Sulphocarbolate, cns.....oz. 1.05 + .13½
Tannate, cns.....oz. .83 + .13½
Valerate, cns.....oz. .99 + 13½
Tartrate, cns.....oz. 1.03 + .13½

* Quinine buyers must pay a surcharge of 13½c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride,[3] cns., oz. .81 + .13¾

Subject to surcharge of 13¾c. per oz.; see note under Quinine.

R

R salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed,[1] Argentine, large bgs., lb. .09½- .10
dom., dwarf Essex, bgs..lb. .10 - .10½
Raspberries, dried, bls.....lb. .90 - 1.10
Red,[3] alizarin lake,[3] bbls., dlvd. N. of Tenn. and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90

Red, alizarin lake prices are ¼c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N.C., S.C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .95 - —
400-2,000 lbs., bbls.....lb. 1.00 - —
100-300 lbs., pkgs.....lb. 1.05 - —
light shade, bbls, ton lots, lb. .80 - —
400-2,000 lbs., bbls.....lb. .85 - —
100-300 lbs., pkgs.....lb. .90 - —
light-medium shades, bbls., ton lots..lb. .85 - —
400-2,000 lbs., bbls.....lb. .90 - —
100-300 lbs., pkgs.....lb. .95 - —
maroon shade, bbls., ton lots..lb. 1.05 - —
400-2,000 lbs., bbls.....lb. 1.10 - —
100-300 lbs., pkgs.....lb. 1.15 - —
deep, bbls., ton lots.....lb. 1.15 - —
400-2,000 lbs., bbls.....lb. 1.20 - —
100-300 lbs., pkgs.....lb. 1.25 - —
medium shade, bbls., ton lots..lb. .90 - —
400-2,000 lbs., bbls.....lb. .95 - —
100-300 lbs., pkgs.....lb. 1.00 - —

Red, cadmium, lithopone quotations are f.o.b. Baltc. or whse. points, charges prepaid or allowed E. of Rockies.

Selenide, bbls., light, works, lb. 2.35 - —
maroon, works.....lb. 2.90 - —
Carmine, 40, dms., 100 lbs...lb. 4.00 - —
50 lbs.....lb. 4.75 - —
cns., 5 lbs.....lb. 5.25 - —
1 lb.....lb. 5.35 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.35 - —
Firetoner, bbls.....lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¼- —
80-85%, bbls., same basis, lb. .07½- —
Imported, English, all shades, lb. .12 - —
Iron oxide see (Red oxide).
Lacquer maroon, bbls., same basis..lb. 1.25 - —
Lake C toner, bbls., same basis, alizarin, lake, contracts, lb. .90 - —
Litho toner, bbls., same basis, alizarin, lake, contracts..lb. .60 - —
Rose, lake, bbls.....lb. .25 - .28
Pink, bbls.....lb. .20 - .25
Lithol-rubine toner, bbls., same basis, alizarin, lake, contracts..lb. 1.10 - —
Maroon lake, 25%, kgs., same basis, alizarin, lake, contracts..lb. .40 - —
Mercury oxide,[3] tech., bbls., 10,000 lbs..lb. 3.09 - —
smaller lots.....lb. 3.11 - —
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .09 - —
l.c.l., bbls.....lb. .09¾- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Chicago, Ohio..lb. .08¾- —
50% copperas oxide, bbls., same basis..lb. .08¼- —
50-lb. bgs.....lb. .096 - —
Imported, English.....lb. .14½- —
Para, toner, concent., kgs., same basis, alizarin lake, contracts..lb. .70 - —
Persian Gulf, oxide, bbls., c.l., lb. No prices
Phloxin toner (see Red, Eosin-toner).
Phosphotungstic rhodamine, Y, kgs..lb. 4.15 - —
Purple lake, kgs.....lb. .60 - 1.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .35 - —
Spanish, oxide, Grade 1, c.l., bbls., f.o.b. N.Y..lb. .04¾- .07¾
Toluidin toner, kgs., same basis alizarin lake..lb. 1.05 - —
Turkey, c.l.f. New York.....lb. .14½- —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .2065- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., f.o.b. N.Y...lb. .25 - .44
quicksilver, bbls.....lb. 3.05 - 3.15
Red dyes are listed under Dyes.
Red, precipitate,[3] NF, powd., fib. dms., 50 lbs. or more..lb. 3.26 - —
Red saunders wood, ground, bbls., lb. .85 - —
Resorcinol, tech., 200-lb. dms., frt. alld. E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
USP, cryst., 100 lbs., dms., frt. alld. E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .09 - .10
Rhubarb, whole, cs.....lb. 1.20 - 1.35
powd., bbls.....lb. 1.25 - 1.45
Riboflavin .....gram. .65 - .68
Rice bran, concentrate, 573-lb. dms., f.o.b. Cedartown, Ga., or Emeryville, Calif., seller's option..lb. .79 - —
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .43½- —
smaller lots.....lb. .44 - —
powd., bbls., 5,000 lbs., 1 ship't..lb. .42½- —
smaller lots.....lb. .43 - —
Rose flowers, pale, bls.....lb. .32 - .35
red, bls.....lb. No prices
Rosemary flowers, bls.....lb. 1.55 - 1.60
leaves, Portuguese, bls.....lb. .17½- .18
Spanish, bls.....lb. .18 - .18½
Rosin, gum ex dock:—
B, drums or bags....100 lbs. 3.75 - —
D, drums or bags....100 lbs. 3.83 - —
E, drums or bags....100 lbs. 3.93 - —
F, drums or bags....100 lbs. 4.03 - —
G, drums or bags....100 lbs. 4.04 - —
H, drums or bags....100 lbs. 4.05 - —
I, drums or bags....100 lbs. 4.09 - —
K, drums or bags....100 lbs. 4.11 - —
M, drums or bags....100 lbs. 4.15 - —
N, drums or bags....100 lbs. 4.17 - —
W. G., drums or bags..... 100 lbs. 4.35 - —
W. W., drums or bags..... 100 lbs. 4.41 - —
X, drums or bags....100 lbs. 4.41 - —
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 - —
l.c.l., same basis.....ton.37.50 - —
Import, lump, bbls.....lb. No prices
powd., bbls.....lb. No prices
Rue, bls.....lb. 1.45 - 1.50

S

Sabadilla seed, powd., bbls....lb. .35 - .36
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - —
Safflower bls.....lb. No prices
Saffron, Mexican, bls.....lb. .55 - .56
Spanish, tins.....lb.32.00 -33.00
Safrol, cns.....lb. 2.25 - 2.45
dms.....lb. No prices
Sage,[1] Calif. leucophylla, whole, bls..lb. .55 - .58
rubbed, bgs.....lb. .65 - .67
powder, bgs.....lb. .75 - .77
Dalmatian type, bls.....lb. .80 - .85
Cyprus, bls.....lb. .29½- .30
Greek, bls.....lb. 1.60 - 1.70
Spanish, bls.....lb. .29 - .30
Sago flour, bgs.....lb. .05 - .05¾
Salicin, bots., 5 lbs.....lb. 8.03 - —
cns., 25 lbs.....lb. 7.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .92 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.02 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., c.l., dlvd. N.Y. ton.14.20 - —
l.c.l., bgs., dlvd. N.Y...ton.17.00 -18.00
Vacuum, common, fine, bgs., c.l., dlvd. N.Y..ton.15.70 - —
l.c.l., dlvd. N.Y.....ton.19.40 -23.20
Chrome see Chrome cake).
Saltcake, dom., bulk, works..ton.15.00 - —
import, bulk, c.l.f.....ton.16.00 Nom.
Saltpeter, dbl. refd., gran., bbls., 10-20 tons.....100 lbs. 8.20 - —
1-9 tons.....100 lbs. 8.35 - —
less than ton lots..100 lbs. 8.60 - —
powd., bbls., 10-20 tons..... 100 lbs. 9.20 - —
1-9 tons.....100 lbs. 9.35 - —
less than ton lots....100 lbs. 8.60 - —
Sanguinarine nitrate, bots.....oz. 3.75 - —
Santonin, cryst., cns.....kilo.210.00 -220.00
Saponin, No. 1, cns.....lb. 1.75 - —
No. 2, cns.....lb. 1.45 - —
Sarsaparilla root, American, bls. lb. .25 - .26
Honduras, bls.....lb. .59 - .60
Mexican, bls.....lb. .20 - .21
Sassafras, bark, ord., bls.....lb. .20 - .21
select, bls.....lb. .31 - .32
Savory, bls.....lb. .73 - 1.75
Saw palmetto berries, bgs.....lb. .09 - .14
Scammony root, bgs.....lb. .07 - .08
resin, lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Scullcap, Eastern, bls.....lb. .25 - .32
Western, bls.....lb. .17 - .18
Schaeffer's salt, bgs.....lb. .46 - —
Seidlits mixture, bbls., 5,000 lbs., 1 shipment..lb. .33¾- —
smaller lots.....lb. .34½- —
kegs, 5,000 lbs., 1 shipm't..lb. .34½- —
smaller lots.....lb. .34¾- —
Selenium, pwd. A, 10-lb. tins..lb. 2.00 - —
100-lb. cases..... lb. 1.75 - —
Senega root, spot, bls.....lb. .59 - .60
Senna leaves, Alexandria, half leaf, bls..lb. .22 - .26
siftings, bgs.....lb. .21 - .22
Senna, tinnevelly, No. 1, bls..lb. .16 - .17½
2, bls.....lb. .12 - .16
3, bls.....lb. .11 - .14
powd., bbls., bxs.....lb. .15 - .17
Pods, bls.....lb. .13 - .16
Serpentaria root, bls.....lb. .75 - .82
Sesame seed,[1] Chinese, hulled, bgs..lb. .12½- .13
Indian, natural, bgs.....lb. .09 - .09½
hulled, sterilized, bgs....lb. .12 - .12½
Shellac,[1,6] bleached, bonedry, bbls., 1,500 lbs. or more, f.o.b. N.Y..lb. .42½- —
dlvd., Boston.....lb. .43½- —
Chicago .....lb. .44 - —
Pacific Coast.....lb. .46 - —
refined, bbls., 1,500 lbs. or more, f.o.b. N.Y..lb. .48½- —
dlvd., Boston.....lb. .49½- —
Chicago .....lb. .50 - —
Pacific Coast.....lb. .52 - —

Bone dry shellac, sales of less than 1,500 lbs., at following additions to maximum prices:—(1) packed in bgs., ¾c. per lb.; (2) bbls., 1c. more; (3) kgs., 3c. more; (4) less than 100 lbs., regardless of packing, 5c. more.

Shellac,[1,6] 100 bgs. or more, garnet, bgs..lb. .3890- —
D.C., V.S.O., or Diamond 1, bgs..lb. .4660- —
Superfine, f.o.b. Boston, N.Y. lb. .3660- —
dlvd., Chicago. .....lb. .3710- —
Pacific Coast.....lb. .3960- —
T.N., f.o.b. Boston, N.Y...lb. .3550- —
dlvd., Chicago.....lb. .3600- —
Pacific Coast.....lb. .3850- —

Shellac in cs., 2c. higher. Shellac sales, 1 bg. or 1 cs., 5c. additional; 1 to 9 bgs. or cs., 1c. more; 10 to 99 bgs., cs., 1c. more.

Shortening, trcs.....100 lbs.16.50 -17.00
Silica, amorph., dry-grd., 325 mesh, c.l., Ill., works..ton.17.00 - —
l.c.l., same basis.....ton.20.00 - —
400 mesh, c.l.....ton.18.00 - —
l.c.l., 5,000 lbs.....ton.19.00 - —
smaller lots.....ton.20.00 - —
wet-grd., 325 mesh, c.l., Ill., works..ton.18.00 - —
l.c.l., same basis.....ton.21.00 - —
400 mesh, c.l.....ton.30.00 - —
l.c.l., 5,000 lbs.....ton.35.00 - —
smaller lots.....ton.38.00 - —
96-98%, 325 mesh, c.l.....ton.20.00 - —
l.c.l., 5,000 lbs.....ton.21.50 - —
smaller lots.....ton.23.00 - —
99%, 325 mesh., c.l.....ton.20.00 - —
l.c.l., 5,000 lbs.....ton.22.00 - —
smaller lots.....ton.25.00 - —
medium-grd., 99%, 325 mesh, l.c.l., 5,000 lbs..ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 99½%, 325 mesh, c.l..ton.13.50 - —
l.c.l. .....ton.18.50 - —
140 mesh, c.l.....ton.11.00 - —
l.c.l. .....ton.16.00 - —

Silica prices are for bag packing f.o.b. works.

Silicon tetrachloride, CP, dms., works, 55 gals..lb. .27 - —
10-gal. dms., same basis..lb. .32 - —
smaller pkgs.....lb. .75 - 1.25
tech., dms., 55 gals., works.lb. .22 - —
10-gal. dms., same basis..lb. .27 - —
smaller pkgs.....lb. .50 - 1.00
Silver, bullion.....oz. .44¾- —
Govt. purchase, dom., metal. oz. .7111- —
Govt. purchase,[1] foreign metal. oz. .44¾- —
Cyanide, cns., 100 ozs.....oz. .41¼- —
Nitrate, 100-oz. bots.....oz. .32¾- —
Nucleinate, bots., dms.....oz. .29 - .34
Proteinate, bots., dms.....oz. .28 - .33
Simarubra barks, bls.....lb. .55 - .67
Skunk cabbage root, bls.....lb. .13 - .14
Slate flour, bgs., c.l., works..ton.11.00 -12.00
l.c.l., works.....ton.12.00 -13.00
Sloe berries, bgs.....lb. .75 - .80
Smalt, black, extra velvet, ctns. lb. .05 - .08
Blue, ctns.....lb. .07 - .08¼
Snakeroot, Canada, bls.....lb. .66 - .67
Soapbark, bls.....lb. .13 - .14
crushed, bls., bbls.....lb. .16 - .17
cut, imp., bls., bbls.....lb. .17 - .18
dom., bbls.....lb. .10 - .11
powd., bbls.....lb. .19 - .20
Soda, acetate, anhyd., dms., dlvd. lb. .08½- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .05 - —
l.c.l., dlvd.....lb. .07 - .10
USP, bbls., dlvd.....lb. .0⁹ - .07
Alginate, water soluble, refined, bbls., works..lb. .79 - —
semi-refined, bbls., works..lb. .42 - —
Aluminate, white, soluble, c.l., bgs., frt. equald..100 lbs. 7.50 - —
dms., frt. equald..100 lbs. 7.75 - —
l.c.l., bgs., frt. equald..... 100 lbs. 8.40 - —
dms., frt. equald..100 lbs. 8.65 - —
Antimoniate, bbls., dlvd., c.l..lb. .15 - —
l.c.l., bbls., dlvd.....lb. .15½- —
Arsenate,[6] dms., dealers, c.l., works..lb. .08 - —
l.c.l., dms.....lb. .09¼- .09¾
Arsenite,[6] dry, gray, dms., c.l., dealers, works..lb. .06¾- —
l.c.l., dms., works....lb. .07½- .08¼
white, dms., c.l., dealers, works..lb. .07¾- —
l.c.l., works.....lb. .08¼- .09½

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.15 - —
l.c.l., Zone 1.....100 lbs. 2.18 - —
2 .....100 lbs. 2.33 - —
3 .....100 lbs. 2.58 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra light, 58%, bgs., c.l. 100 lbs. 1.13 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works..100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
Soda ash, light, 58%, bgs., c.l., works..100 lbs. 1.05 - 1.13
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs 2.93 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse point and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. River and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 98° Meridian; Neb. E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 98° Meridian. Zone 4: El Paso, Tex., Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyoming.

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., fib., 4,000 lbs., or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l.....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - —
l.c.l .....100 lbs. 1.90 - —
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
l.c.l. .....100 lbs. 2.60 - —
powd., bbls., c.l., works, 100 lbs. 1.85 - —
l.c.l., dlvd. N.Y....100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd. N.Y....100 lbs. 2.76 - —
Bichromate,[3,4] spot, cks., bbls., c.l., works..lb. .07¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07½- —
5 cks. or 9 bbls. or less, works..lb. .07¾- —

Soda bichromate in bgs., ¾c. less.

Bifluoride, bbl., c.l.....lb. .11 - —
10-bbl. lots.....lb. .11½- .13
1-9 bbls.....lb. .12 - —
kegs .....lb. .12½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
33 deg., bbls., c.l., works.. 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
35 deg., c.l., works..100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works..100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., works, 500 lbs..lb. .27 - .31
fiber dms., 100 lbs.....lb. .28 - .32
Cacodylate, 5-lb. bbls., works, lb.17.00 - —
Carbonate (see Soda ash, soda monohydrated; soda sal).
Caustic, flake, 76%, powd., ammo. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1.....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.55 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zinc prices as ammonia process.
liquid, 47-49%, buyers' tanks, works..lb. 1.92½- —
sellers' tanks, works..... 100 lbs. 1.95 - —
70%, buyers' tanks, works. 100 lbs. 1.97½- —
sellers' tanks, works..... 100 lbs. 2.00 - —
solid, 76% ammon., process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1.....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —

Soda, caustic, solid, electro process, dms., l.c.l., same zone prices as ammon. process. Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.

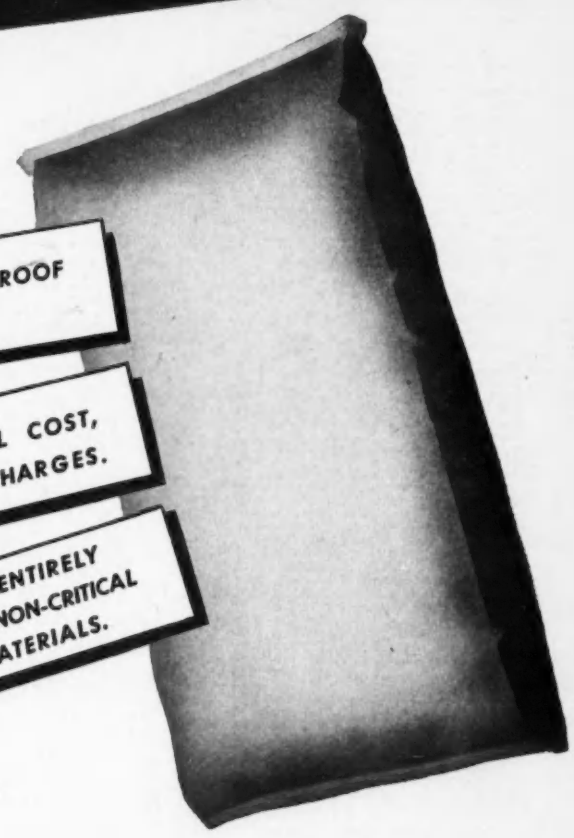
Chloride (see Salt).
Chlorate,[6] dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate,[3,4] c.l., works.....lb. .08¾- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .09½- —
Citrate, USP VIII, 225-lb. bbls. lb. .18½- —
50-lb. lots, dms.....lb. .20½- —
25-lb. lots, dms.....lb. .22½- .23½
dms., 100-lb. lots, dms..lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide,[6] 96-98%, dom., dms. lb. .14 - .15
imports, 90%, cs.....lb. No prices
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09½- .10½
anhy., dms., dlvd.....lb. .12½- —
Fluoride, white, 30%, bbls., c.l., frt. alld..lb. .08 - —
l.c.l., 10 or over, same basis..lb. .08½- —
1-9, same basis.....lb. .09 - —
95%, bbls., c.l., same basis.lb. .08¼- —
l.c.l., 10 or over, same basis..lb. .08¾- —
1-9, same basis.....lb. .09¼- —

Soda fluoride prices at Los Angeles are f.a.s. works.

Soda, glycerophosphate, NF, cryst., bbls., 1,000-lb. lots, lb. 1.25 - 1.82
100-lb. lots.....lb. 1.40 - 1.47
cns., 25 lbs.....lb. 1.65 - 1.67
powd., bbls., 1,000-lb. lots..lb. 1.25 - 1.32
100-lb. lots..... ..lb. 1.40 - 1.47
cns., 25 lbs.....lb. 1.72 - —
solution, cbys., cns.....lb. .82 - .85
Hydrosulphite, dms., frt. alld. lb. .17 - .18
Hydroxide, USP, sticks, dms., 100 to 1,000-lb. lots..lb. .24 - .27
Hypophosphite, N. F., cns., 100-lb. lots..lb. .67 - —
Hyposulphite, cryst., large bgs., works, frt. equald..100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equald..100 lbs. 2.50 - —
bbls., same basis....100 lbs. 2.70 - —
pea, bgs., c.l., works.100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
pea, 5,000 lbs. and over, ogs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 dms., works. 100 lbs. 3.10 - 3.25
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.. ..100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.40 - —
Iodide, jars.....lb. 2.42 - —
bots. .....lb. 2.52 - 2.67
Mandelate, 100-lb. dms.....lb. 3.25 - —
Metanilate, bgs.....lb. .40 - —
Metasilicate, anhyd., dms., c.l., works, frt. equald..100 lbs. 4.00 - —
15 dms. and over, dlvd. N.Y. 100 lbs. 4.90 - —
3-14 dms., same basis..... 100 lbs. 5.05 - —
1-2 dms., same basis.100 lbs. 5.30 - —
gran., bbls., c.l., works....lb. 2.50 - —
10 bbls. and over, dlvd. N.Y. lb. 3.30 - —
1-9 bbls., dlvd. N.Y.....lb. 3.55 - —
Molybdate,[3] anhyd., kgs., works, lb. .47 - —
Monohydrated, bbls., N. Y. 100 lbs. 3.00 - —
works .....100 lbs. 2.55 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate,[4] dom., c.l., 100-lb. bgs., llvd., f.o.b. cars Hopewell, Va..ton.30.05 - —
200-lb. bgs., same basis. ton.29.35 - —
bulk, f.o.b. Hopewell, va..ton.27.00 - —
imp., c.l., 100-lb. bgs., f.o.b. cars, Atl., Gulf, Pac. warehouses..ton.33.00 - —
200-lb. bgs., same basis... ton.32.40 - —
bulk, same basis.....ton.30.00 - —
refd., gran., bbls., 10 tons. 100 lbs. 3.60 - —
1-9 tons.....100 lbs. 3.75 - —
smaller lots.....100 lbs. 4.00 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized, lb. .06¾- —
West Coast, f.o.b. ports. 100 lbs. 8.00 - 8.65
l.c.l. .....100 lbs. 8.90 -11.90
Soda niterite l.c.l. prices range represents delivery at various points.
Orthosilicate, anhyd., dms., c.l., works, frt. equald..lb. 4.50 - —
15 dms. and over, same basis..lb. 5.45 - —
3-14 dms., same basis...lb. 5.60 - —
1-2 dms., same basis....lb. 5.85 - —
flake, dms., c.l., works.. 100 lbs. 3.15 - —
10 bbls. and over, dlvd. N.Y.C..100 lbs. 4.30 - —
1-9 bbls., same basis.100 lbs. 4.55 - —
Oxalate, neut., bbls.....lb. .09½- —
Perborate, NF, bbls., c.l., works. lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorophenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .20 - —
490 lbs., bgs., works.....lb. .18 - —
powd., 100 lbs., kgs., works.lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., c.l., works.....100 lbs. 6.00 - 6.25
l.c.l., works.....100 lbs. 6.50 - 7.25
bbls., c.l., works....100 lbs. 6.20 - 6.45
l.c.l., works.....100 lbs. 6.70 - 7.45
cryst., tech., bgs., c.l., works. 100 lbs. 2.55 - 2.70
l.c.l., works.....100 lbs. 2.95 - 3.45
bbls., c.l., works...100 lbs. 2.75 - 2.90
l.c.l., works..100 lbs. 3.15 - 3.65
monobasic, anhyd., c.l., works, 100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 8.00 - 9.00
bbls., c.l., works.....100 lbs. 7.45 - 8.45
l.c.l., works.....100 lbs. 8.20 - 9.20
tribasic, bgs., c.l., works. 100 lbs. 2.70 - —
l.c.l., works.....100 lbs. 3.45 - —
bbls., c.l., works.....100 lbs. 2.90 - —
l.c.l., works.....100 lbs. 3.65 - —
kegs, c.l., works.....100 lbs. 3.40 - —
l.c.l., works.....100 lbs. 4.15 - —
anhydrous, bgs., c.l., works, frt. equald..100 lbs. 6.00 - —
l.c.l., same basis..100 lbs. 6.50 - —
bbls., c.l., same basis.. 100 lbs. 6.20 - —
l.c.l., same basis..100 lbs. 6.70 - —
USP (dibasic), bbls., dms., works..lb. .08 - .10
dried, bbls., dms., works..lb. .11½- .12
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .11 - —
contracts .....lb. .10 - —
smaller lots.....lb. .11¼- —
contracts .....lb. .10¼- —
Pyrophosphate,[2] anhyd., bgs., c.l., works, frt. equalized. 100 lbs. 5.28 - 6.10
5 tons and over, same basis. 100 lbs. 5.40 - 6.25
less than 5 tons, same basis..100 lbs. 5.75 - 6.60
bbls., c.l., works, frt. equalized..100 lbs. 5.45 - 6.30
5 tons and over, same basis. 100 lbs. 5.60 - 6.45
less than 5 tons, same basis..100 lbs. 5.95 - 6.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., dlvd. N. Y....100 lbs. 1.35 - —
works .....100 lbs. 1.10 - —
bbls., dlvd N. Y.....100 lbs. 1.40 - —
works .....100 lbs. 1.20 - —
Salicylate, bgs.....lb. .52 - .55

Soda, sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
l.c.l., Zone 1.....100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.
Sesquisilicate, dms., c.l., works, 100 lbs. 3.05 - —
100 bbls. or over, dlvd. N.Y.C. 1-9 bbls.....100 lbs. 4.30 - —
works..100 lbs. .80 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works. 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
tanks, wks.....ton.13.00 - —
52°, ams., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works. 100 lbs. 1.65 - —
1 to 4, works....100 lbs. 1.80 - —
tanks, wks.....ton.25.00 - —
Silicofluoride, bbls., c.l., works.. lb. .05 - —
l.c.l., same basis.....lb. .05½- —
Stannate, dms.....lb. .33½- .36½
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.70 - 1.90
5 tons or over, works.. 100 lbs. 1.95 - 2.15
less than 5 tons, works.. 100 lbs. 2.20 - 2.40
cryst. (see Glauber's salt).
Soda, sulphate, NF, VI, desiccated, powd., bbls.....lb. .07 - .07½
USP, cryst., gran., bbls...lb. .10 - .10½
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.40 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.90 - —
less than 5 tons, dlvd. 100 lbs. 3.15 - —
solid, bbls., c.l., works.100 lbs. 3.15 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 3.65 - —
less than 5 tons, dlvd. 100 lbs. 3.90 - —
Soda, sulphite, cryst., 100-lb. bgs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more....100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, gran., bbls., dms..lb. .26 - .28
Sulphocyanide, C.P., dms....lb. .55 - .65
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works. lb. .08 - —
tanks, works.....lb. .04½- —
flake, 70-72%, dms., c.l., works lb. .04½- —
l.c.l., works.....lb. .05 - —
Sulphoricinolate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate,[5] CP, kgs.....lb. No prices
tech., kgs.....lb. 1.35 - 1.50
Soda-formaldehyde sulphoxylate, standard cont. (125-250 lbs.) lb. .19 - .22
Solvent, naphtha,[1] dms., wks.gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .27 - —
W. Coast, f.o.b. Minequa, Colo..gal. .27 - —
high-flash, dms., works.....gal. .32 - —
tanks, E. of Omaha, frt. alld..gal. .27 - —
Sorbitol,[6] com'l, dms., works..lb. .17¾- —
Soybean meal, 41% and 44% protein old process, bulk, Decatur, Ill., January delivery..ton.32.25 - —
Soybean meal, 41% and 44% protein, old process, bulk, Decatur, Ill., February delivery, same basis....ton.32.50 - —
protein, alpha, bgs., c.l., works lb. .17 - —
l.c.l., 10-20 tons, works...lb. .17¼- —
100-20,000 lbs., works...lb. .17½- —
smaller lots works.....lb. .21 - —
Sparteine sulphate, bots., cns..oz. 3.25 - 3.90
Spearmint leaves, bls.....lb. .35 - .36
Spikenard root, bls.....lb. .26 - .27
Spruce extract, reg., bbls., c.l., works..lb. .02¼- —
tanks, works.....lb. .01½- —
powd., super, bgs., c.l., works. lb. .04½- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, powd.....lb. .35 - .38
White, bls.....lb. .16 - .18
powd., bbls., bxs.....lb. .26 - .28
St. Ignatius beans, bgs.....lb. .43 - .60
St. John's Bread, edible, bls..lb. .24 - .35
Starch, corn, pearl, bgs., f.o.b. Chicago100 lbs. 3.10 - —
dlvd., N. Y.....100 lbs. 3.47 - —

IF WPB ORDER L-197 AFFECTS YOU—
LET US SOLVE YOUR PACKAGING PROBLEMS



FOR EFFICIENCY... CLEAN, MOISTURE-PROOF WATER-REPELLENT, EASY TO HANDLE.

FOR ECONOMY... LOWER INITIAL COST, LOWER TARE WEIGHT—LESS SHIPPING CHARGES.

FOR VICTORY... MADE ENTIRELY FROM NON-CRITICAL MATERIALS.

BAGPAK HEAVY DUTY MULTIWALL PAPER BAGS
FOR UNITS RANGING FROM 20 TO 140 POUNDS

Bagpak Heavy-Duty Multiwall paper bags are sift-proof, grease-proof, moisture-proof, water-repellent and offer 100 per cent all-weather protection under the toughest shipping conditions. You will find them a very satisfactory substitute for textile or priority-restricted metal containers.

*Trade Mark Reg. U. S. Pat. Off.

BAGPAK INC

BAGPAK, INC. · 220 EAST 42nd STREET · NEW YORK, N. Y.

Starch, corn, powd., bgs., f.o.b. Chicago..100 lbs. 3.20 - —
dlvd., N. Y.....100 lbs. 3.57 - —
Potato, dom., bgs., c.l.....lb. .0637- —
l.c.l. .....lb. .0760- —
import, bgs.....lb. No prices
Rice, bgs.....lb. .09 - .10
Sweetpotato, bgs.....lb. .06¼ Nom.
bbls. .....lb. .07 Nom.
Wheat, thick, boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. No prices
Stearin, oleo.....lb. .1054- —
Stillingia root, bls.....lb. .11 - .12
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.75 - 1.80
Stramonium leaves, bgs.....lb. .23 - .24
seed, bgs.....lb. .20 - .21
Strontium bromide, cns.....lb. .53 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 90% precip., bbls....lb. .25 Nom.
Chloride, tech., bbls.....lb. .23 - .25
Iodide, bots., 5 lbs.....lb. 3.66 - —
jars, 25 lbs.....lb. 3.90 - —
Lactate, dms.....lb. 1.30 - 1.35
Nitrate, dom., bbls., c.l., works. lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Oxalate, bbls.....lb. .44 - —
Salicylate, bbls., kgs.....lb. 1.10 - —
dms.....lb. 1.13 - —
Sulphate, nat., 92% min., $SrSO_4$, air-floated, 300 mesh, c.l., works..ton.52.00 - —
5 to 15 ton lots, same basis..ton.54.00 - —
Strophantin, bots.....oz.30.00 - —
Strophanthus seed, Kombe, bgs.lb. 2.75 - 3.00
Styrolyl, acetate, bots.....lb. 2.50 - 3.10
Strychnine, crystl., cns., 100-oz. lots..oz. .70 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .88 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .91 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .88 - —
Glycerophosphate, 25-oz. cans., 100-oz. lots..oz. .89 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .88 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. 1.00 - —
Nitrate, 25-oz. cns., 100-oz. lots. oz. .82 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .89 - —
Sulphate, crystl., cns., 100-oz. lots..oz. .58 - —
powd., cns., 100-oz. lots.oz. .48 - —
Sucrose octa-acetate, C.P. grade, bbls., l.c.l., works..lb. .55 - —
denat., bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —
Sugar coloring, bbls.....gal. .70 - 1.40
Sugar of milk (See Milk sugar)
Sulfadiazin, 100 lb. dms.....lb.13.00 - —
Tablets, bots 50's.....ea. 4.86 - —
100's .....ea. 8.46 - —
1,000's .....ea.72.00 - —
Sulfaguanidine, 100 lb. dms....lb. 5.50 - —
3.5-gm. bot.....doz. 2.50 - —
4-oz. bots.....ea. 8.10 - —
1-lb. bots.....ea.30.00 - —
Sulfanilamide, 5 lbs., bots....lb. 1.45 - —
fib. dms., 1,000 lbs., 1 delivery 1.00 - —
100 lbs.....lb. 1.05 - —
25-lb. lots.....lb. 1.20 - —
Sulfapyridine, powd., bots., tins.. lb. 7.50 - 8.00
Sulfathiazole, 1,000-lb. lots, dms. lb. 4.00 - —
500-lb. lots, dms.....lb. 4.10 - —
100-lb. lots, dms.....lb. 4.15 - —
25-lb. tins.....lb. 4.30 - —
1-5 lb. bots.....lb. 4.45 - 4.50
Sesquihydrate, prices same as sulfathiazole.
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.16.00 - —
flour, comm'l, bgs., c.l..100 lbs. 1.90 - —
l.c.l. .....100 lbs. 2.40 - —
flowers, USP, bgs., c.l..100 lbs. 3.50 - —
l.c.l. .....100 lbs. 3.80 - —
bbls., c.l.....100 lbs. 3.65 - —
l.c.l. .....100 lbs. 4.15 - —
refined, cast, bgs., c.l...100 lbs. 2.45 - —
l.c.l. .....100 lbs. 2.95 - —
heavy, USP, bgs., c.l...100 lbs. 2.85 - —
l.c.l. .....100 lbs. 3.35 - —
bbls., c.l.....100 lbs. 3.20 - —
l.c.l. .....100 lbs. 3.70 - —
light, USP, bgs., c.l...100 lbs. 2.95 - —
l.c.l. .....100 lbs. 3.45 - —
bbls., c.l.....100 lbs. 3.30 - —
l.c.l. .....100 lbs. 3.80 - —
lumps, bgs., c.l.....100 lbs. 2.45 - —
l.c.l. .....100 lbs. 2.95 - —
bbls., c.l.....100 lbs. 2.80 - —
l.c.l. .....100 lbs. 3.30 - —
rolls, bgs., c.l.....100 lbs. 2.65 - —
l.c.l. .....100 lbs. 3.15 - —

Prices at the mine for various grades refined sulphur 50c. less per 100 pounds.

rubbermakers, comm'l, 99½%, bgs., c.l., frt. alld..100 lbs. 2.20 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.55 - —
Chloride, 55-gal. dms., c.l...lb. .03 - .03¼
l.c.l., dms., works....lb. .04 - .04¼
10-gal. dms., c.l.....lb. .07 - .07¼
l.c.l. .....lb. .08 - .08¼
Dioxide, liquid, com'l, cyls., works..lb. .07 - .08
multi-unit, cars, works.lb. .04¼- .06
tanks, works.....lb. .04 - .06
refrigeration, cyls., works.lb. .13 - .21
multi-unit cars, works..lb. .06¼- —
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .18 - .27
Sumac, grd., Sicilian, f.a.s....ton. No prices
leaf, f.a.s.....ton. No prices
extract, bbls., No. 1.....lb. .09 - —
No. 2.....lb. .07 - —
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .12 - .13
Sunflower seed, Calif., large, bgs.. lb. .07¼- .08
medium, bgs.....lb. .07¼- .07¾
poultry .....lb. .07 - .07½
Superphosphate, run-of-pile, basis 16% a.p.a., bulk, f.o.b. cars, boats, Balto..unit-ton. .60 - .64
net ton. 9.60 -10.24
guaranteed 16% a.p.a., bulk, plus flattening charge of 50c., unit-ton. .63¼- .67½
net ton.10.10 -10.74
20% a.p.a., bulk, same basis, spot..unit-ton. .63¾- .66
net ton.12.75 -13.60
triple, bulk, f.o.b. cars, Balto., spot..unit-ton. .85 - —

T

Talc., dom., aluminum flake-type, grd., c.l..ton.14.50 -24.50
l.c.l. .....ton.16.50 -30.00
Calif., c.l.....ton.17.50 -43.00
Talc, dom., N. Y., fibrous, 325 mesh, 93-94%, c.l.....ton.13.00 -18.00
99-99½%, c.l.....ton.15.25 -19.25
99.95%, c.l.....ton.17.00 -21.00
coarse, off-color, c.l.....ton.13.00 - —
Pennsylvania, c.l.....ton.11.00 -13.50
l.c.l. .....ton.12.00 -14.50
Vermont, c.l.....ton.14.00 - —
l.c.l. .....ton.15.00 - —
imp., Canadian, c.l., dlvd. N. Y. ton.24.00 -30.00
French .....ton. No prices
Italian .....ton. No prices

Talc, domestic, is quoted at the mills in bag packaging.

Tallow,[1,5] edible, tanks.....lb. .09⅞- —
ined., extra, tanks.....lb. .08⅝- —
special, tanks.....lb. .08½- —
Tallow, sulphonated, 35% (24% fat), dms., c.l..lb. .06⅝- —
l.c.l. .....lb. .06⅞- —
50% (43% fat), dms., c.l..lb. .06⅝- —
l.c.l. .....lb. .07⅜- —
50% (48% fat), dms., c.l..lb. .07⅜- —
l.c.l. .....lb. .08⅜- —
Tamarind, No. 1, bbls.....lb. .10 - .12
kegs .....lb. 7.45 - —
Tankage, dom., fertilizer, animal, bulk, basis N.Y..unit-ton. grd., 9% ammon., 10% b.p.l., 4.80 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 4.00 & .10
feeding, unground, 9-11% ammon., bulk, basis N. Y., unit-ton. 5.10 - —
basis Chicago..unit-ton. 5.55 - —
Tansy leaves, bls.....lb. .29 - .34
Tapioca flour, Brazil, bgs.....lb. .03¾- .06½
Java, bgs.....lb. .04¾- .07¼
Tar acid oil,[6] 16%, dms., c.l., works..gal. .27½- —
l.c.l., same basis.....gal. .29½- —
25% dms., c.l., works.....gal. .31½- —
l.c.l., same basis.....gal. .33½- —
Tar, pine, retort, dms., dlvd. E. cities..gal. .30 - .32
tanks, dlvd. E. cities....gal. .24½- —
Tarragon herb, bgs.....lb. 1.70 - 1.75
Tartar emetic, tech., fine gran. or powd., bbls., kgs., 5 or more..lb. .47¾- —
less than 5.....lb. .48 - —
dms. .....lb. .48½- .51
USP, powd., bbls.....lb. .52¾- .53
Terpin hydrate, cryst., bbls., dms., lb. .70 - .72
powd., bbls., dms.....lb. .75 - .77
Terpineol, dms.....lb. .35 - .50
alpha, denat. grade, dms., c.l., works, net wght..lb. .17 - —
Terpinyl acetate, cns.....lb. .87 - —
dms. .....lb. .85 - —
Terra alba (see Gypsum).
Tetrachlorethane, dms., works.lb. .08 - .08½
Tetrachlorethylene, CP, dms...lb. .21½- —
tech. (see Perchlorethylene).
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see Soda pyrophosphate).
Thallium sulphate, 99% pure, bots.. works..lb.12.50 - —
Theobromine,[5] .....lb. 2.65 - —
Sodiosalicylate,[6] dms.....lb. No prices
Thiamine hydrochloride, bots., cns., 100 grams or more..gram. .37 - —
smaller lots.....gram. .40 - —
Thiocarbanilide, dms.....lb. .24 - —
Thiourea, CP, dms.....lb. .55 - .56
Thorium, nitrate, cs., works...lb. 2.00 - —
Thyme,[1] French, bls.....lb. .80 - 1.62
Morocco, bls.....lb. .21 Nom.
Spanish, bls.....lb. .23½- .26
Thymol, cns., 25 lbs.....lb. 2.75 - 3.00
Iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Timbo root (see Cube root).
Tin chloride, anhydrous.....lb. .48 - .48½
Crystals, bbls., bgs.....lb. .39 - .39½
Metal,[1,6] Straits.....lb. .52 - —
Oxide, bbls. .....lb. No prices
Tetrachloride, anhyd., bbls..lb. No prices
Titanium,[1] dioxide, bgs., c.l. (20 tons)..lb. .14½- —
l.c.l., 5 tons, single delivery, lb. .14¾- —
1,000-9,999 lbs.....lb. .15 - —
50-999 lbs.....lb. .15¼- —
bbls., c.l. (20 tons).....lb. .14¾- —
l.c.l., 5 tons, single delivery, lb. .15 - —
1,000-9,999 lbs.....lb. .15¼- —
50-999 lbs.....lb. .15½- —
non-chalking, bgs., c.l. (20 tons). lb. .16½- —
l.c.l., 5 tons, single delivery. lb. .16¾- —
1,000-9,999 lbs.....lb. .17 - —
50-999 lbs.....lb. .17¼- —
bbls., c.l. (20 tons).....lb. .16¾- —
l.c.l., 5 tons, single delivery..lb. .17 - —
1,000-9,999 lbs.....lb. .17¼- —
50-999 lbs.....lb. .17½- —
chalk-resistant, bgs., c.l. (20 tons)..lb. .15 - —
l.c.l., 5 tons, single delivery..lb. .15¾- —
1,000-9,999 lbs.....lb. .15¼- —
50-999 lbs.....lb. .15¾- —
bbls., c.l. (20 tons).....lb. .15¼- —
l.c.l., 5 tons,single delivery. lb. .15¼- —
1,000-9,999 lbs.....lb. .15¾- —
50-999 lbs.....lb. .16 - —
barium or magnesium base, bgs., c.l. (20 tons)..lb. .05¾- —
l.c.l. .....lb. .06 - —
bbls., c.l. (20 tons).....lb. .06 - —
l.c.l. .....lb. .06¼- —
calcium base, bgs., c.l. (20 tons). lb. .05½- —
calcium-rutile base, bgs., c.l. (20 tons)..lb. .05¼- —
l.c.l. .....lb. .05¾- —
bbls., c.l. (20 tons).....lb. .05¾- —
l.c.l. .....lb. .06 - —

Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses. Pacific Coast prices are ¼c. per lb. higher than the above. When shipped in barrels, prices are ¼c. per pound higher.

Tetrachloride, CP, dms., works, 55 gals..lb. .57 - —
10-gal. dms., same basis..lb. .65 - —
5-gal. dms., same basis..lb. .70 - —
smaller pkgs.....lb. .90 - 1.25
technical, dms., works, 55 gals..lb. .32 - —
10-gal. dms., same basis..lb. .40 - —
5-gal. dms., same basis..lb. .45 - —
smaller pkgs.....lb. .65 - 1.00
Toluene (see Toluol).
Toluidin base, distilled, kgs...lb. .96 - —
Tolu, balsam, cns.....lb. .85 - .95
Toluidin, mixed, dms.....lb. .26 - —
Toluol,[2,3,6] (toluene), 2° indus., dms., returnable..gal. .26 - —
tanks, E. of Omaha, frt. alld., gal. .28 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .28 - —
1° nitration,[6] dms., returnable, gal. .34½- —
tanks, E. of Omaha, frt. alld., gal. .29½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .29½- —
Tonga, NF, 50% bark and vine, bls..lb. .90 - .95
Tonka beans, Angostura, cks..lb. 2.50 - 3.00
Brazilian, Surinam, cs....lb. .95 - 1.10
Totaquine,[1] USP XII, 100-oz. containers..oz. .40 - —
50-oz. containers.....oz. .42 - —
25 oz. containers.....oz. .43 - —
5 oz. containers.....oz. .45 - —
smaller containers.....oz. .45 - .80
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works. lb. .33 - —
Triamylamine, dms., c.l., works. lb. .98 - —
l.c.l. .....lb. 1.01 - —
Tributylamine, dms., c.l., works. lb. .78 - —
l.c.l. .....lb. .81 - —
Tributyl citrate, ton lots, 475-lb. dms..lb. .29 - —
single dms.....lb. .31 - —
smaller lots.....lb. .40 - —
Phosphate, dms., l.c.l., dlvd..lb. .47 - —
cns., works.....lb. .51 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
tanks .....lb. .07½- —
Trichlorethylene,[6] Zone 1, dms., c.l., works, frt. alld..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Ida., Ore., Nev., Wash., Utah and Cal.

Tricresylphosphate,[2,6] CP, cns., works..lb. .43½- .54½
dms., c.l., dlvd.....lb. .37½- —
smaller lots, works.....lb. .40½- —
tech., cns., works.....lb. .28½- .45½
dms., c.l., dlvd.....lb. .25 - .31
smaller lots, works.....lb. .25½- .31½
Triethanolamine, dms., c.l., works. lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works. lb. 1.16 - —
Triethyleneglycol,[6] dms., l.c.l.lb. .26 - —
Triethyl citrate, ton lots, 500-lb. dms..lb. .24 - —
single dms.....lb. .26 - —
Triethyl phosphate, cns.....lb. .46 - —
Trimethylamine, dms., c.l., dlvd., lb. .85 - —
l.c.l., dlvd.....lb. .90 - —
Triphenyl phosphate,[2] bbls....lb. .31 - .32
Tripoli, air-floated, bgs., c.l., works. ton.21.50 - —
double grd., bgs., c.l., works. ton.17.50 - —
once-grd., bgs., c.l., wks.ton.16.00 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tuba root (see Derris root).
Tungsten metal, powd.,[2,3] 99-99.7%, dms., works..lb. 2.60 - 5.40
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .09¼- 10
Madras, bgs.....lb. .10 - .10½
Turpentine, gum, dms., c.l., ex dock..gal. .75½- —
l.c.l. .....gal. .77½- .79½
wood, dest. dist., dms., dlvd., E. cities..gal. .55 - .58
tanks .....gal. .50 - —
steam-dist., dms.....gal. .64 - .67
tanks .....gal. .59 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs.....lb. 2.55 - —
yellow, kgs.....lb. 1.65 - —
Urea, dom., 46%, N., bgs. 20 tons, f.o.b. Belle, W.Va., Metropolitan New York, Phila., Wilmington, Del., Baltimore, Wilmington, N. C., Charleston, Savannah, Jacksonville....ton.80.00 - —
l.c.l., f.o.b. Belle, W. Va. ton.82.50 - —
5-19 tons, f.o.b. Boston, New York, Philadelphia, Wilmington, Del., Baltimore..ton.85.00 - —
less than 5 tons, f.o.b. New York, Phila..ton.90.00 - —
Import, 46% N., bgs., 5 tons, f.o.b. Atl. Gulf ports or Belle, W. Va., ship..ton. No prices
smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs.....lb. 12 - —
fertilizer compound, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl. Gulf ports. ton.57.40 - —
Urea-ammonia liquor, 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atlantic Gulf ports ton.121.58 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports. ton.127.00 - —
Uva ursi leaves, bls.....lb. .25 - .27

V

Valerian root, Belgian, bls....lb. 1.45 - 1.50
Eastern, bls.....lb. 1.05 - 1.10
Valonia, beards, bgs., f.a.s...ton. No prices
cups, bgs, f.a.s.....ton. No prices
Vanadium pentoxide, CP, bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans,[1] Bourbon, tins..lb.10.00 - —
Java, tins.....lb. 9.50 - —
Mexican, whole, tins.....lb.11.00 - —
cuts, tins.....lb.10.00 - —
Tahiti, white label, tins....lb. 6.00 - —
yellow label, tins.....lb. 5.75 - —
West Indian, tins.....lb.10.00 - —
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex-guaiacol, 25-lb. tins.....lb. 2.35 - —
5-lb. tins.....lb. 2.40 - —
1-lb. tins.....lb. 2.50 - —
ex lignin, any quantity, 25-lb. tins..lb. 2.35 - —
5-lb. tins.....lb. 2.40 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs....lb. No prices
artificial, cs.....lb. .24 - .25
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works.....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .15 - —
l.c.l., works.....lb. .16 - —
5 gals., dms., works.....lb. .25 - —
Ether, 75 c.c. .....bot. 1.30 - —
50 c.c. .....bot. .73½- —
25 c.c. .....bot. .45¼- —
Vitamin A (see Oils, codliver, halibut liver).
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex (see Rice bran).
C (see Acid, ascorbic).
D (see Oils, codliver, halibut liver).
E (see Alpha Tocopherol).
G (see Riboflavin).
P-P (see Acid, nicotinic; acid, nicotinic amide).
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum, naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .48 - .49
tree .....lb. .28 - .29
Wattle bark, bgs., f.a.s.....ton.41.00 -43.00
Extract, solid, bgs.....lb. .04475-.0460
liquid, tanks.....lb. .05 - —
bbls. .....lb. .05¾- —
Wax, amorphous, Group 3, at refineries; 160-165, amber..lb. .15½- —
black .....lb. .14 - —
white .....lb. .26 - —
185, black, f.o.b. Tulsa, Okla., wooden bbls., 30,000 lbs. and over..lb. .10 - —
10,000 to 30,000 lbs., same basis..lb. .11 - —
up to 10,000 lbs., same basis..lb. .12 - —
amber, 30,000 lbs. and over, same basis..lb. .12 - —
10,000 to 30,000 lbs., same basis..lb. .13 - —
up to 10,000 lbs., same basis..lb. .14 - —
yellow, 30,000 lbs. and over, same basis..lb. .13 - .18
10,000 lbs. and over, same basis..lb. .14 - .19
up to 10,000 lbs., same basis..lb. .15 - .20
pearl, 30,000 lbs. and over, same basis..lb. .08 - .11
10,000 to 30,000 lbs., same basis..lb. .09 - .12
185, pearl, same basis, up to 10,000 lbs..lb. .10 - .13
190, black, f.o.b. Jersey City, wooden bbls., 30,000 lbs. and over.....lb. .16½- —
same basis, 10,000 to 30,000 lbs..lb. .17½- —
same basis, up to 10,000 lbs..lb. .18½- —
200 amber, same basis, 30,000 lbs..lb. .19 - —
same basis, 10,000 to 30,000 lbs..lb. .20 - —
same basis, up to 10,000 lbs..lb. .21 - —
Bayberry, bgs.....lb. .25 - .26
*Bees,[1] yellow, crude, ton lots or more, bgs., f.o.b. N. Y.:— Central & S. A., sun-bleachable, same basis. lb. 44¾- —
unbleachable, same basis. lb. .41½- —
African, sun-bleachable, nonsun-bleachable, same basis..lb. .37½- —
Refined, USP, slabs, same basis..lb. .52½- —
bricks, same basis.....lb. .53½- —
discs, same basis.....lb. .55½- —
5-lb. ctns., same basis.lb. .56½- —
2-lb. ctns., same basis.lb. .57½- —
1-lb. ctns., same basis.lb. .58½- —
rounds, or squares, same basis..lb. .57½- —
5-lb. ctns., same basis.lb. .58½- —
2-lb. ctns., same basis.lb. .59½- —
1-lb. ctns., same basis.lb. .60½- —
bleached, sun or chemical, USP, same basis..lb. .57 - —
bricks, same basis.....lb. .58 - —
discs or cakes, same basis lb. .60 - —
5-lb. ctns., same basis.lb. .61 - —
2-lb. ctns., same basis.lb. .62 - —
1-lb. ctns., same basis.lb. .63 - —
*Candelilla, crude, one ton or more, bgs., f.o.b. N.Y..lb. .38 - —
refined, bgs., same basis...lb. .44 - —

Note—For prices on powdered candelilla wax, add the following amounts to the above schedule:—20 mesh, 5c. per lb.; 80 mesh, 5½c.; 100-200 mesh, 6c.

*Carnauba,[1] ton or more, bgs., f.o.b. N.Y.—
Yellow, No. 1, same basis..lb. .83¼- —
No. 2, same basis.....lb. .81¼- —
No. 3, same basis.....lb. .79 - —
North Country, No. 2, same basis..lb. .75¾- —
No. 3, same basis.....lb. .73½- —
Chalky, No. 3, same basis.lb. .71¼- —
Refined, No. 3 North Country, same basis..lb. .76¾- .80

Note—For prices on powdered carnauba wax, add the following amounts to the above schedule:—20 mesh, 5c. per lb.; 80 mesh, 5½c.; 100-200 mesh, 6c. per lb.

Ceresin, dom., 138°-140° m.p., bgs., 1 ton..lb. .13¼- .14
jobbing lots.....lb. .14¼- .15
150°-160° m.p., bgs., 1 ton..lb. .15¼- .16
jobbing lots.....lb. .16¼- .17
160°-170° m.p., bgs., 1 ton..lb. .16½- .17
jobbing lots.....lb. .17¼- .18
Japan, cs.....lb. No stocks
Montan, ogs.....lb. .45 - .48
*Ouricury, 1-ton lots or more, bgs., f.o.b. N.Y..lb. .48½- .51¾
refined, bgs., same basis..lb. .62 - —

Note—For prices on powdered ouricury wax, add the following amounts to the above schedule:—20 mesh, 5c. per lb.; 80 mesh, 5½c.; 100-200 mesh, 6c.

Wax, ozokerite, import, hard, green, congeal, p. 66°-68° C., bgs.	lb.	No stocks
70°-72° C., bgs.	lb.	No stocks
74°-76° C., bgs	lb.	No stocks
snow-white, pure, 76°-78° C., bgs.	lb.	No stocks
yellow, natural, 76°-78° C., bgs.	lb.	No stocks
Paraffin (see P).		
Spermaceti, blocks, cs.	lb.	.26 - .27
cakes, cs.	lb.	.27 - .28

* Note—On single sales of carnauba candelillia and ouricury waxes in less than ton lots, the following additions to maximum prices above may be made:—200 lbs. to 1 ton, 1c. per lb.; more than 100 lbs. and not less tran 200 lbs., 3c. per lb.; 50 to 100 lbs., 5c.; and 1 to 49 lbs., 10c.

White lead (see Lead, white).		
White pine bark, rossed, bls.	lb.	.08 - .09
White precipitate,[8] powd., dms., 50 lbs. or more	lb.	2.84 - —
Whiting, chalk, dry-grd., c.l.	ton.	18.00 -22.00
l.c.l.	ton.	20.00 -24.00
wet-grd., c.l.	ton.	21.00 -25.00
gilders, bolted, c.l.	ton.	20.30 -24.00
l.c.l.	ton.	21.00 -24.00
extra bolted, c.l.	ton.	22.00 -26.00
l.c.l.	ton.	23.00 -27.00
Paris white, c.l.	ton.	24.00 -28.00
l.c.l.	ton.	25.00 -29.00
Limestone, airfloated, 90¾%, 250 mesh, c.l.	ton.	9.35 -10.10
200 mesh, c.l.	ton.	8.60 - 9.50
90%, 200 mesh c.l.	ton.	6.25 - 7.00
water-floated, gilders' putty grade, c.l.	ton.	12.00 -13.00
l.c.l.	ton.	13.00 -16.00
dry ground, 325 mesh, 40 tons, f.o.b. New England plant.	ton.	6.00 - —
l.c.l., up to 5 tons, same basis.	ton.	7.00 - —
less than 5 tons, same basis	ton.	9.00 - —
Wild cherry bark, thick, natural, bls.	lb.	.05½- 06
rossed, bls.	lb.	.15 - 18
thin, natural, bls.	lb.	.09½- .10
rossed, green, bls.	lb.	.12 - 15
Wild indigo root, bls.	lb.	.23 - .23
Witch-hazel extract, dist., NF, bbls.	gal.	.72 - .75
leaves, bls.	lb.	.07 - .09
Witherite (see Barium carbonate, natural).		
Woodflour, dom., 40 mesh, c.l., f.o.b. North Tonawanda, N.Y.,	ton.	20.00 - —
60 mesh, same basis	ton.	24.00 - —
80 mesh, same basis	ton.	27.00 - —
100 mesh, same basis	ton.	30.00 -32.00
Bags, extra, 25c. each; must be returned for credit. Carload freight to New York, N. Y., 29c. per 100 lbs.		
Import, 70 mesh, bgs., ex dock,	ton.	No prices
80 mesh, bgs., ex dock	ton.	No prices
100 mesh, bgs., ex dock	ton.	No prices
120 mesh, bgs., ex dock	ton.	No prices
Wormseed, American, bgs.	lb.	08 - .09
Levant, bgs.	lb.	No prices
Wormwood, bls.	lb	50 - 60

X

Xylene (see Xylol).		
Xylol,[5,6,9] (xylene), indus., dms., returnable, works.	gal.	.33 - —
tanks, E. of Omaha, frt. alld.,	gal.	.27 - —
tanks, W. of Coast, f.o.b. Minnequa, Colo.	gal.	.27 - —
10°, dms., returnable, works...	gal.	.35 - —
tanks, E. of Omaha, frt. alld.,	gal.	.30 - —
Xylol, 5°, dms., returnable, works.	gal.	.42 - —
tanks, E. of Omaha, frt. allo.	gal.	.37 - —
3°, dms., returnable, works...	gal.	.47 - —
tanks, E. of Omaha, frt. allo.,	gal.	.42 - —
Xylidin, mixed, dms.	lb.	.35 - .38

Y

Yara yara, cryst., cns.	lb.	1.80 - 1.85
Yellow, arsenic[3] sulphide, dom., bbls., f.o.b. New York	lb.	.52 - .55
bottles, same basis	lb.	.60 - .64
imp., bbls., same basis	lb.	.20 Nom
Benzidine, bbls., dlvd.	lb.	1.85 - 2.25
Cadmium, CP, import, bxs.	lb.	1.35 - 1.40
lithopone, primrose, lemon, golden and standard orange, ton lots, bbls.	lb.	.55 - —
400-2,000 lbs., bbls.,	lb.	.60 - —
100-300 lbs., pkgs.	lb.	.65 - —
Yellow cadmium lithopone prices are f.o.b. Balto. or whse. points, transportation prepaid or allowed E. of Rockies.		
sulphide, orange kegs or cases, works.	lb.	1.10 Nom.
Chrome, CP, bbls., dlvd. No. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts.	lb.	.16 - —
Chrome yellow, CP, prices are dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, 1¼c.; Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.		¼c. higher,
Dutch, pink, bbls.	lb.	.09 - .11
Hansa bbls., same basis chrome.	lb.	1.37 - —
primrose shade, bbls., same basis chrome.	lb.	1.75 - —
Mercury oxide, tech., bbls., 1,000 lbs.	lb.	2.87 - —
smaller lots.	lb.	2.89 - —
Ocher, American, golden, bbls., works.	lb.	.04½- .06¼
yellow, bbls. works.	lb.	.02 - .02¼
French type, bbls., c.l.	lb.	.0345- —
l.c.l.	lb.	.0365- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton	lb.	.04½- —
l.c.l., same basis.	lb.	.05 - —
synth., bbls., c.l., works.	lb.	.07 - —
l.c.l., same basis.	lb.	.071 - —
Persian orange (see O).		
Zinc, bbls., same basis, chrome CP, contracts.	lb.	.15 - —
open order.	lb.	.15 - —
Navy specifications type, contracts.	lb.	.15 - —
open order.	lb.	.15 - —
Yellow dock root, dom., bls.	lb.	.16 - .23
Yellow root (xanthorisa), bls.	lb.	.11 - .13
Yerba santa leaves, bls.	lb.	.15 - .16
Yohimbine hydrochloride, viz.	oz.	3.00 - 5.75

Z

Zein, bgs., 1,000 lbs. or more, works.	lb.	.25 - —
less than 1,000 lbs., works.	lb.	.30 - —
Zinc, [1,9,6] Metal (see Paint market).		
acetate, tech., bbls., dlvd.	lb.	.16 - .17
USP, bbls., 250 lbs.	lb.	.27 - —
Arsenite, kgs., 100 lbs.	lb.	.29 - —
E. of Rockies.	lb.	.12 - —
l.c.l.	lb.	.12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.		
Carbonate, tech., bbls.	lb.	.14 - .20
USP, precip., powd., bbls.	lb.	.32½- —
25-lb. dms.	lb.	.37½- —
kgs.	lb.	.34½- —
Chloride, tech., fused, dom., c.l., works.	100 lbs.	5.00 - —
l.c.l., works.	100 lbs.	5.35 - —
gran., dms., c.l., works.	100 lbs.	5.75 - —
l.c.l., works.	100 lbs.	6.50 - —
USP, 100-lb. dms.	lb.	.30 - .31
25-lb. jars.	lb.	.26 - —
solut., 50%, dms., c.l., works.	lb.	.0315- —
l.c.l., works.	lb.	.04½- .04½
tanks, works.	lb.	.0250- —
Chromate (see Yellow Zinc Chromate).		
Cyanide, kgs., works.	lb.	.83 - .87
Dust, bbls., c.l., dlvd.	lb.	.1035- —
l.c.l., f.o.b. works.	lb.	.1135- —
Fluoride, bbls.	lb.	.25 - .30
Zinc, iodide, NF, bots.	lb.	4.54 - —
jars	lb.	4.40 - —
Metal (see daily quotations in Market report).		
Oxide,[2] pigment, dom., acidular type, bgs., c.l., dlvd.	lb.	.07¼- —
l.c.l., dlvd.	lb.	.07½- —
bbls., c.l., dlvd.	lb.	.07½- —
l.c.l., dlvd.	lb.	.07¾- —
lead free.	lb.	.07¼- —
l.c.l., dlvd.	lb.	.07½- —
bbls., c.l., dlvd.	lb.	.07½- —
l.c.l., dlvd.	lb.	.07¾- —
leaded, 5%, bgs., c.l., dlvd.		
5%, bgs., c.l., dlvd.	lb.	.07½- —
l.c.l., dlvd.	lb.	.07¾- —
bbls., c.l., dlvd.	lb.	.07¾- —
l.c.l., dlvd.	lb.	.07¾- —
35% or more, bgs., c.l., dlvd.	lb.	.07 - —
l.c.l., dlvd.	lb.	.07¼- —
bbls., c.l., dlvd.	lb.	.07½- —
l.c.l., dlvd.	lb.	.07½- —
Prices on West Coast ½c. per lb. higher.		
French process, com'l, lead free, bgs., c.l., dlvd.	lb.	.07¼- —
l.c.l., dlvd.	lb.	.07½- —
bbls., c.l., dlvd.	lb.	.07½- —
l.c.l., dlvd.	lb.	.07¾- —
green seal, bgs., c.l., dlvd.,	lb.	.09 - —
l.c.l., dlvd.	lb.	.09¼- —
bbls., c.l., dlvd.	lb.	.09¼- —
l.c.l., dlvd.	lb.	.09¼- —
Zinc oxide, pigment, dom., French process, red seal, bgs., c.l., dlvd.	lb.	.08½- —
l.c.l., dlvd.	lb.	.08¾- —
bbls., c.l., dlvd.	lb.	.08¾- —
l.c.l., dlvd.	lb.	.09 - —
white seal, bgs., c.l., dlvd.	lb.	.09¼- —
l.c.l., dlvd.	lb.	.09¾- —
bbls., c.l., dlvd.	lb.	.09¾- —
l.c.l., dlvd.	lb.	.10 - —
imported, gold seal, cks., ex whse.	lb.	No prices
green seal, bbls., ex whse.	lb.	No prices
white seal, cks., ex whse.	lb.	No prices
USP, c.l., 50-lb. bgs.	lb.	.10½- —
Zinc oxide prices in l.c.l. are ¼c. higher.		
Lead-free add 5% and 35% leaded zinc oxide in car lots are ½c. per lb. higher delivered Pac. Cst., and in less car lots are ¾c. per lb. higher ex whse. Pac. Cst.; 50% leaded is 5.6c per lb. higher for car lots delivered Pac. Cst.		
Palmitate, bbls.	lb.	.32 - .33
Resinate, fused, pale, bbls.	lb.	.11 - .12
precip., dms., dlvd.	lb.	.15 - —
Silicofluoride, bbls.	lb.	.15 - .18
Stearate, tech., precip., or USP, ton lots.	lb.	.30 - —
less than ton lots.	lb.	.31 - .32
Sulphate, cryst., bgs., c.l.	100 lbs.	3.60 - —
l.c.l.	100 lbs.	4.35 - —
bbls., c.l.	100 lbs.	3.85 - —
l.c.l.	100 lbs.	4.50 - —
flake, bgs., c.l.	100 lbs.	4.10 - —
l.c.l.	100 lbs.	4.85 - —
bbls., c.l.	100 lbs.	4.35 - —
l.c.l.	100 lbs.	4.80 - —

—Continued on page 61

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Founded October 18, 1871, by William O. Allison.

Published every Monday by Schnell Publishing Company, Inc.:—Harry J. Schnell, President and Treasurer; Wm. Stuart Auchincloss, Vice-President and Secretary; Hugh Craig, Vice-President; Burr Price, Vice-President; A. L. Koch, Assistant Secretary. Address 59 John Street, New York, N. Y., U. S. A. Telephone REctor 2-9820. Cable Address Reporter New York.

Incorporating the Drug, Paint and Oil Trade, The New York Drug Bulletin, The Weekly Drug News, the New York Druggists' Price Current, The Soap Makers Journal, the Oil and Paint Review, and International Petroleum Reporter.

Annual subscription rates including postage in the United States and possessions, Cuba, Mexico, Central America, and South America, $5.00; Canada and Newfoundland, $7.00; other countries, $10.00; single copies, 25 cents each.

Member of Audit Bureau of Circulations.

Entered at the Post Office at New York as second-class matter January 15, 1884, under the act of March 3, 1879.

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Vol. 142 December 21, 1942 Number 25

OPA Is Decapitated

The OPA administrator has resigned "because of ill health." It may be "malaria," which means "bad atmosphere," but at least a contributory ailment is high political pressure.

The head of OPA has been cut off because he dared to attempt feebly to stem the levitation of prices of essential foodstuffs; because he thought that the size of a profit has something to do with the justness of a price; and because he insisted on national rationing of petroleum products to carry out the judgment of the rubber committee and the President, and approved by a congressional probing crew and by every citizen who puts the life of the nation above his own desired manner of living.

The OPA administrator went down fighting for exactly what he was selected to do. It can be that what is to come will rank him with Santa Claus.

72d—OPD—Year

Congressional Abdication

For all that it could expect of its lawmaking representatives, the country is better off that Congress has quit and gone home, leaving wholly to the executive branch of the government the task of coping with the exigencies of war. In any other connection it would be incomprehensible that a legislative body, always prone to squawk about the usurpation of its powers and duties by its executive teammate, would, of its own volition, relinquish these rights in a time of stress. But, that is the Congress of the United States of America—sectional, syndical, and self-satisfied, but subsident.

There will be no practical difficulty in the next Congress' being better than the self-erasing one which has just passed into history largely of its own marring. But, there is likely to be a big political handicap to its making good. And there will be the same warped and wobbly economics to hamper the national effort in its war jobs. A further probing of the rubber situation has already been decided upon—and by a lawmaking body which took pride in its historical, epochal defeat of a scheme to pack the supreme court. There may be a distinction, but there is no difference between packing a court in advance and refusing to abide by a judgment which is adverse because the court is impartial.

It is to be expected that Congress will continue to care not who makes the laws of the nation as long as it can howl about how badly they are made and administered.

72d—OPD—Year

Inside Technologic Data

The Office of the Alien Property Custodian is launching a unique and very useful service for American industry. It will start soon, perhaps this week, to furnish at a nominal charge copies of patent applications by enemy aliens which have been seized in the course of its statutory functioning. It has not been customary, even in the revolutionary proceedings of wartimes, to publish patent applications. The value of such preliminary data is potentially great.

Some thousands of patent applications by aliens have been taken over by the Alien Property Custodian. Chemicals and related materials and associated processes constitute a fairly good percentage of them. Among these doubtless are some of great promise. In any event, many are worth investigating.

To facilitate the selection of seized patent applications by interested businessmen the Alien Property Custodian will add lists of these to the lists now in preparation which classify the something like 50,000 alien patents that he has taken over. These lists, comprising several thousand in the field of applied chemistry, are in themselves of useful interest.

72d—OPD—Year

WPB Chemical Aspects

The understanding and able purpose to be helpful which are apparent in the records of chemical allocations under WPB conservation orders seem to be characteristic of other functioning in the Chemical Division. This is readily concluded from the information on the plant facilities unit which was given to the Synthetic Organic Chemical Manufacturers Association in its annual meeting last week. The import of the information is fully substantiated in the records of all branches of the chemical industry in connection with war production.

One reason for this gratifying situation is that the chemical work of WPB has been shifted and reshifted as changes appeared to be necessary. Square pegs have not been kept in round holes for some reason not explainable in terms of WPB purposes. Vacant holes have been filled ably or have been plugged up as their uselessness became evident. There is no overmanning in the Chemical Division—the busyness of everybody which is clear to any caller, is also real. The only drawback is that the good works of the division, because they lack political significance or for some such reason, blossom to a great extent unseen.

It is notable that the chemical plant facilities unit takes a practicable and long-range view of the manner in which its problems should be solved. It knows that operations can be located anywhere, but that it takes time, money, and much else to move equipment to meet a job which, although it is imperative, seldom has a large measure of permanence. It knows that requisitioning equipment is a fine way to make front-page noises, but it also knows that such noise doesn't produce materials.

There is in this unit, as there appears to be in all the components of the Chemical Division, an adequate measure of recognition of the fact that the only way to get the best working assistance from business is to work out with business how it can best assist. Telling business what it must do, usually in terms and in a manner which shout of ignorance, always results in getting nothing—or less—done.

Governmental relations with business, especially when they have more or less to do with some sort of demand or compulsion, so frequently and so widely exhibit an utter lack of understanding—sometimes it is denial of consideration—that it is encouraging to hear big men of the chemical industry tell how well they get along with the good men of WPB's chemical staff. Little men (mentally speaking) and poor men (in the sense of ability, not of finance) never get along well even with themselves. The chemical industry should make of its today's good relations a foundation for its bigger needs of the years ahead.

72d—OPD—Year

Questions and Answers

There are a number of angles to the controversial matter of why the war agencies ask so many questions. This excess applies in the relations of business with WPB and OPA and all their fellow-alphabetizees, and it is big in the attritions of OPA and users of gasoline and fuel oil. Not all of the angles are on one side of these relationships—and not all of them will be straightened out by the new scheme of requiring approval of governmental questionnaires in advance by the Director of the Budget.

Anybody who has searched for statistical data on business operations, even in the census of manufactures, knows that not all the needs for duplicate and triplicate questionnaires arise on the asking side. It is true that many, if not most, government agencies do not know what they should learn, do not know how to go about getting the knowledge, do not know how to frame questions so as to elicit desired answers, cannot properly interpret even the best answers they get. But, as the experience of anyone teaches, who has assisted in the taking of a governmental census or in the gathering of data for OPA rationing, those from whom informative answers are desired cannot recall, do not know, have no records, are averse to telling anything, or presume that the giving of erroneous information will be, as it often is, to their advantage—and they do not care that it must be detrimental to others. A cooperative endeavor to assure essential information is greatly needed.

INDUSTRIAL PRODUCTS BY FERMENTATION PROCESSES

NOAH has received credit for one of the earliest recorded chemical discoveries. He found that under some conditions grape juice underwent a change and the resulting product, when imbibed, produced a pleasant physiological effect entirely different from that which the original juice gave. Unfortunately, as a result of continuing his testing "not wisely but too well", he has received some undesirable notoriety.

It was also observed at an early date that sometimes fruit juices underwent another type of change which resulted in the development of sourness. Milk was also found to become sour on storage. Since the resulting products found practical use, empirical methods of regulating these alterations were developed.

Not until the investigation of Pasteur was it recognized that these changes were due to the growth of various microscopic organisms. It had been noticed earlier, however, that the development of visible organisms, termed molds, also resulted in changes of the medium on which they grew.

Since Pasteur a large number of experimenters have developed methods not only of preventing, but also of encouraging, the growth of these organisms, both visible and microscopic. Others have studied the chemical changes brought about by them. It is now recognized that these reactions are similar to, or in many cases the same as, those occurring during the development of a fruit or vegetable and are natural vegetative processes.

As a result of some of these researches a considerable variety of products of industrial importance is now being manufactured by the careful cultivation of a number of these organisms. Since this is a comparatively new field, it can safely be assumed that with time the number of compounds produced by such methods will be greatly enlarged. The probability of this is increased by the fact that the raw materials for such processes are generally of American agricultural origin, thus removing any dependence on foreign products.

Chas. Pfizer & Co., Inc. has been one of the leaders in this field and is at present producing Citric Acid, Gluconic Acid, Fumaric Acid, and Oxalic Acid by such methods. From these acids a wide variety of derivatives is being manufactured. A well-trained research staff is engaged in the improvement of present processes and in the development of new products. Results in many of these latter investigations indicate that products of possible importance in a variety of fields will in time be made available.

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Heavy Chemicals

Recent Slight Pick-up in Industrial Demand for Heavy Chemicals Holds As New Year Approaches—General Imports Order M-63 Revised—Acetic Acid to Tighten Further

The slight year-end improvement in industrial demand noted in the previous week continued last week and was the topic of most general interest in the market for heavy chemicals. Of interest also, however, was the announcement of a revision, effective December 28, of general imports order M-63, eliminating exemptions in favor of importations of materials on List I and List II of the order. Among the commodities appearing on these lists are antimony, chrome ore, and copper.

The allocation order on calcium carbide, effective January 1, is expected by producers of synthetic glacial acetic acid to result in a more acute shortage of this material. As users of the synthetic product will naturally turn to wood distillers' acid for supplies, it is predicted that this item as well will tighten quickly. As calcium carbide is its chief component, acetic anhydride, used in acetate rayon, also is expected to become very short and it is anticipated that there will be a gradual shift in the next few months by acetate rayon spinners from coarser to finer deniers.

Paper production, as a percentage of six-day capacity, was 86.7 in the week ended December 12, according to the American Paper and Pulp Association. This compares with 84.9 in the previous week and 106.3 percent a year ago.

Alumina Hydrate.—Material under WPB allocation. Consumers' needs light. No change in quotations.

Ammonia, Anhydrous.—Heavy movement of material into war production channels. Market firm.

Ammonia Bicarbonate.—No new developments. Prices unchanged.

Ammoniac, Sal.—Position unaltered. Tone firm.

Antimony Oxide.—WPB allocations govern transactions. Prices steady.

Antimony Sulphide.—Level of demand unchanged. Prices same.

Arsenic, White.—Demand steady. Prices unchanged.

Barium Chlorate.—Transactions controlled by WPB allocation order. No change in quotations.

Bauxite.—WPB allocations rule. No alterations pricewise.

Bleaching Powder.—Demand continues very active. Quotations show no change.

Calcium Carbide.—WPB allocation order becomes effective January 1. No alterations in price schedules.

Calcium Chloride.—Demand for winter uses at good level. Market tone remains firm.

Carbon Tetrachloride.—Heavy movement of material to war production quarters. Prices show no change.

Chloropicrin.—Position tight. No change in quotations.

Chlorine.—War needs heavy with WPB allocations governing transactions. Production schedules extensive. Amendment to limitation order L-11 has been suggested that would further reduce amount of chlorine consumed. Tone very firm.

Copper Oxide.—No new developments. Quotations confirmed.

Copperas.—Demand light. No change in quotations.

Cryolite.—Insecticidal needs heavier. Prices show no change.

Feldspar.—Heavy movement of material to glass industry. Price schedules unaltered.

Fluorspar.—No change in market tone. Prices steady.

Glauber's Salt.—Call quiet. Quotations show no change.

Lead Acetate.—Slack demand. Quotations maintained.

Lime.—No let-up anticipated in good demand. Prices firmly held.

Manganese Acetate.—Material attracting only light interest. Quotations unaltered.

Manganese Arsenate.—Transactions ruled by WPB allocations. Prices same.

Nickel Oxide.—No change in market conditions. WPB allocations govern transactions. Prices unaltered.

Potash Carbonate.—No change in level of demand. Quotations steady.

Saltpeter.—Heavy movement of material into war production channels. Demand from normal users moderate. Quotations confirmed.

Soda Antimoniate.—Supplies at satisfactory level. Call for material light. No change in quotations.

Soda Ash.—Movement of material in substantial volume. Tone firm.

Soda, Caustic.—Consumers' takings fair. Tone steady.

Soda Chlorate.—Transactions ruled by WPB allocation order. No change as regards prices.

Zinc Cyanide.—Only light interest. Prices steady.

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
170.2	170.2	170.2	168.8

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
116.0	116.0	116.0	115.4

Market news that may have developed after this report was sent to press will be found on page 4.

Acids

The situation as regards chemical acids was about unchanged over the past week. Those items needed in the war effort continued to move into production channels in large volume and further tightening of acetic acid and acetic anhydride was anticipated as a result of the recently issued WPB allocation order on calcium carbide. The civilian demand for chemical acids was at a slightly improved level.

Abietic.—No change as regards activity or prices.

Acetic.—Heavy movement of material into war production channels. Allocation order on calcium carbide, effective January 1, expected to result in more acute shortage of synthetic glacial. Factors state that wood distillers' acid also is expected to show effects of order, as users of synthetic will naturally look in this direction for supplies. Acetic acid price schedules show no change.

Acetic Anhydride.—Already under allocation, supplies expected to become extremely tight due to allocation order on chief component, calcium carbide, effective January 1. Tone very firm.

Formic.—New developments lacking. Prices same.

Gallic.—No change in market tone. Prices confirmed.

Hydrofluoric.—Demand irregular. No change as regards prices.

Lactic.—Consumers' takings at recent levels. Prices show no change.

Muriatic.—War needs in considerable volume. No change pricewise.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 9

BARIUM HYDRATE and
POROUS BARIUM OXIDE (Monoxide)
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Successors to The J. H. R. Products Co. *Send for informative booklet*

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Naphthenic.—Material under WPB allocation order. No change in prices.

Nitric.—War needs consuming large quantities. Quotations unaltered.

Sulphuric.—Transactions now governed by WPB allocation order.

Insecticides

Needs of consumers for insecticides showed little change over the past week from levels recently reported. There was a good tone to the market, however, and factors were encouraged over the recent WPB announcement that there would be, in all probability, adequate supplies of arsenical insecticides to meet the requirements through 1943 of cotton growers, farmers and others producing food or other economic crops.

Calcium Arsenate.—Demand active. No change pricewise.

Lead Arsenate.—Takings in light volume. No change in quotations.

Nicotine Sulphate.—Supplies at satisfactory level. Undertone, prices same.

Paradichlorobenzene.—Supplies for essential agricultural purposes reported adequate. No change in quotations.

72d—OPD—Year

Chemical Allocations List Augmented

—Continued from page 3

nied completely. Where reduction was made, the percentage figure shows the relationship between the amount granted and the amount requested.

Copper Chemicals

No restrictions were placed on end use. Inventories were held to a 30-day level.

Requests for material for rubber compounding were granted in full.

Furnace Type Carbon Black

For use in inks and paints, minor quantities were allocated to specific users to give them a chance to make necessary adjustments to another type of black in their operations.

Phenolic Resins

Specialties.—Requests for material for the following uses were filled in full:—Bonding and impregnation, resin for use with rubber, synthetic rubber, pitch or asphalt in moulded articles and thread sealing compounds.

Requests for material for the following uses were granted in part:—Abrasive (80 percent), friction material (84 percent), lamp and tube basing (57 percent), paint and lacquer bristle setting (99 percent), impregnation of solenoids and other electrical windings (70 percent), casting impregnation (95 percent), binding of composition cork (71 percent).

Molding Compounds. — Granted in full:—Food closures printing plates.

Granted in part:—Industrial power and light (84 percent, medical equipment and supplies, scientific instrument parts (69 percent), civilian electrical apparatus; closures other than food, wine and liquor (85 percent), industrial equipment (70 percent), agricultural equipment (61 percent), health and sanitation (29 percent), replacement for civilian (domestic) appliances (72 percent), textile, rayon equipment and parts (68 percent), replacement parts for automotive use (89 percent).

Denied were requests for material for amusement articles, ashtrays, and for wine and liquor closets. Phenolic resin already had been removed from civillian buttons and none was granted for this purpose.

Laminates.—Requests for material for safety helmets were granted in full.

Requests for material for electrical insulating parts were granted up to 98 percent. Other uses filled in part were:—Mechanical and structural use (57 percent), phenolic gears, gear blanks, sheet material for use in gears (55 percent), corrosion resistant parts (49 percent), and heat insulation (53 percent.

Requests for material for decorative purposes had already been denied in the past, and no such requests were made this month.

Para Phenyl Phenol Resins

The following civilian requests were filled in part:—Electrical equipment, switch boards, circuit breakers (40 percent), containers, paper liners for bottle caps (1 percent), and coated abrasives (10 percent).

The following civilian requests were denied:—Road building equipment, refrigerators, inks, communications, laboratory equipment and experimental work.

72d—OPD—Year

Applied Chemical Corporation has moved to 6-8 E. 39th Street, New York. The company was formerly at 7-11 W. 45th Street.

Import Control Tightened by WPB

—Continued from page 5

zation. Under the terms of the revised order, no person may import, without specific WPB authorization, any commodity listed in the order. Previously, this restriction applied only to list III materials. (The lists were published in full in the REPORTER, dated June 8, 1942.)

The restrictions on processing or disposal of list I materials, once imported, are not changed by the revised order. List II or III materials, once imported, may be sold or processed without restriction by M-63. These materials, however, are subject to any applicable provisions of other WPB restrictive orders and regulations.

Lists II and III are now the same, except that canary seed, chicle, molasses, sesame seed, oil cake and meal, except coconut, copra, soybean, or linseed, on list III are provided entry free of import restrictions, overland, by air, or inland waterway from Canada, Mexico, Guatemala, and El Salvador under the provisions of M-63-a, as amended.

Officials of the Division of Stockpiling and Transportation explained that the original provision of M-63 containing the "existing contract" exemption was believed necessary in order to avoid possible interruption in the flow of strategic materials to the United States. Generally speaking, materials on List I or II are necessary in the war program, while List III contains less essential items.

The administration of the exemption provision proved troublesome because of the difficulty of determining the validity of exemption claims made by importers. Furthermore, it has been found that existing contracts, even for highly important strategic materials, interfere in many cases with Government purchasing programs.

It is expected that the revised order will increase the effectiveness of government purchasing programs, and thus tend to increase the flow of strategic materials into the United States. Imports of materials which are now coming into the country under existing contracts will not be stopped if they do not interfere with the public purchasing programs. In such cases, written authorization to import will be issued by the Director General for Operations. Other changes made by the revised order are as follows:—

1. All of the various exemptions to authorization requirements are now grouped under one heading, including the exemption for small gifts and small shipments formerly contained in Supplementary Order M-63-d. The latter order is being revoked, effective December 28.
2. The former requirement for the reporting of existing contracts is removed inasmuch as old contracts under the revised order will no longer be important.
3. The materials on List III have been re-arranged in alphabetical order. No additions or changes of substance are made in any of the lists of materials.

72d—OPD—Year

Mannitol, Sorbitol Put Under Allocation

—Continued from page 3

isomeric mixtures of any and all proportions and from any source whatever.

No specific authorization of the Director General for Operations shall be required for the acceptance of delivery by any person, or use by any supplier, of not more than the following quantity in the aggregate in any allocation month:—

	Lbs.
d-Sorbitol—crystalline	50
Technical grade d-Sorbitol (75% Aqueous Solution)	90
Commercial Grade non-crystalline Sorbitol-Isomeric mixtures	600
Mannitol—crystalline	100

provided, that such person (or supplier) has not been specifically authorized to use or accept delivery of any quantity of hexahydric alcohols during such month.

72d—OPD—Year

Brighton Copper Works, Inc., Cincinnati, Ohio, has doubled its capacity in its new addition and office building in the rear of 2159 Kindel avenue. Its original quarters will be used as an assembly plant. Over $60,000 of new and modern machinery has been installed in its new quarters.

S.O.C.M.A. Discusses Alien Patents

—Continued from page 3

used by the United States Patent Office. Lists in each class are available separately. Among these are the following:—

	Class	Patents	Price
Bleaching and dyeing; fluid treatment and chemical modification of textiles and fibers	8	115	10c.
Chemistry	23	623	25c.
Carbon compounds	260	1208	25c.
Electrical and wave energy	204	204	10c.
Fermentation	195	74	10c.
Fertilizers	71	61	10c.
Coating or plastic compositions	106	220	10c.
Distillation	202	174	10c.
Explosive, pyrotechnic, and match compositions	52	15	10c.
Liquid separation and purification	210	132	10c.
Medicines, poisons, and cosmetics	167	115	10c.
Mineral oils	196	363	10c.
Plastic compositions	106	220	10c.
Plastics	18	272	10c.
Preserving, disinfecting, and sterilizing	21	16	10c.
Sugar, starch, and carbohydrates	127	86	10c.

The APC office has made arrangements, Mr. Tucker said, to have Beilstein's encyclopedic work on chemistry reproduced by a special graphic process and the fifty-nine volumes will be sold at a price of $400, which is less than one-fourth the former price.

The procedure of licensing alien patents was outlined by Robert E. Waterman, special chemical consultant in the APC patent division. Licenses will be nonexclusive and nonassignable. They will run for the life of the patent and, with respect to enemy-owned patents, will be free from royalty. A fee of $50 will be charged for one license; for additional licenses under related patents the fee will be $5. Annual reports of the volume and value of business done under a license will be required.

Patents not enemy-owned will be licensed nonexclusively, applications being prosecuted as far as advisable, and will require the payment of reasonable royalties for the duration of the war and six months beyond.

Patents Now Licensed

Due consideration, Mr. Waterman said, will be given to exclusive licenses held by Americans under seized alien patents. As a general rule these will be permitted to stand unless the attending circumstances are at variance with the primary purpose of furthering the needs of war. In case of determined advisability or necessity, such licenses will be required to pay royalties to the APC office for exclusive use or to take nonexclusive licenses free from royalties. Haste in issuing vesting orders has raised some doubtful points, but license rights are not destroyed thereby. Licensees were advised to lay the matter before the custodian.

Use of any alien patent license to effect curtailment of production or use of its object will be decisively dealt with, Mr. Waterman warned. Patent-holding companies will be handled the same as individuals, always with due regard for the requirements of war. Exclusive licenses will not be broken without due process of law. Nonexclusive licensing of certain exclusively licensed patents may be used if deemed necessary for proper supplying of war needs.

A new departure was foretold by Mr. Waterman when he said that the APC office would shortly begin publication of seized patent applications. Applications have never before been made public. Lists of these also will be published.

Supplies of Vat Dyes

The effects of war's demands for cotton colors on supplies of anthraquinone vat dyes were related by S. C. Moody, of the Calco Chemical Division, American Cyanamid Company, in a talk on the functioning of the dyestuff advisory committee of WPB. Production capacities had been increased, he said, and with the coming of Dr. Arnold Lippert to the role of dyestuff consultant for the WPB textile section, the services of an able advisory group became quite helpful. This was particularly marked in the construction of conservation order M-103 which limits nine specific dyes to military purposes, curtails consumption of anthraquinone dyes by quarterly allocations for civilian use (now approximately 70 percent. of the 1941 volume), and restricts exports of such dyes to as little as 3 percent in some cases.

Operations under M-103 have generally been quite satisfactory, Mr. Moody said. No military dye shortages have occurred. Some civilian uses have been pinched at times, but WPB usually has found, in consultation with producers, it possible to provide a goodly measure of relief. He expected further curtailments and the setting of specific percentage quotas quarterly.

The relations of the dye industry with the chemical and the textile divisions of the WPB have been most cordial, Mr. Moody said.

Container Conditions

A review of orders and other influences affecting the use of steel containers in the chemical industry was given by Ralph E. Dorland, of the Dow Chemical Company. Practicable and satisfactory substitution of fiber drums and of wooden barrels has been possible in some lines, but the necessity of using sap-dry wooden containers was imperative with respect to most hydrocarbon solvents.

Mr. Dorland said that his experience had not been troublesome in respect of getting drums returned. His company uses a charge system, and pays the OPA price on returns—also the freight.

Chemical plant facilities in relation to the war program were told by A. W. Mudge, WPB sectional chief. Some problems in picric acid, phenol, and alcohol were cited. The WPB policy is to get the jobs to the equipment, not more equipment to another plant, perhaps in another town. Such allocating of work has its legal aspects as has also the functioning of the advisory committee on plant facilities. These have been well handled.

Two problems now in hand, Mr. Mudge said, look to the increasing of production of thiokol and ethylcellulose. His unit has been given helpful assistance by the industry, and he considered the outlook to be gratifying.

In the purpose of freeing the world from handicapping national trade barriers, the first move should be to learn where these really exist, said E. H. Killheffer, of E. I. duPont de Nemours & Co. He showed by means of data from the American Tariff League's booklet, "How High Are United States Tariffs," that the ad valorem imports on most goods—except farm products — imported into the United States are below the average of some twenty leading countries.

Mr. Killheffer pointed out the one-sidedness of most tariff bargains made by the United States, noting that this country gave Europe 821 concessions to get 282; gave Canada 376 to get 186; but gave Latin America only 121 to get 415. He considered the lend-lease and Atlantic charter systems much better. He urged a business-like analysis of factual data as a preliminary to renewing the trade agreement law after next June.

The Official Family

Unanimous acceptance of the report of the nominating committee re-elected the following as officers of the association:—

President, August Merz, of the Calco Chemical Division of the American Cyanamid Company.

First vice-president, C. M. Richter, of the Pharma Chemical Corporation.

Second vice-president, Victor E. Williams, of the Monsanto Chemical Company.

Treasurer, Ralph E. Dorland, of the Dow Chemical Company.

Secretary, Charles A. Mace, 260 West Broadway, New York.

The by-laws having been amended to increase the membership of the board of governors from seven to nine, the following were elected to serve with the president and the two vice-presidents to constitute the board:—Ralph E. Dorland, of the Dow Chemical Company; M. J. Hartung, of Maywood Chemical Works; Elvin H. Killheffer, of E. I. duPont de Nemours & Co.; Eric Kunz, of Givaudan-Delawanna, Inc.; H. L. Simons, of Harold L. Simons, Inc.; and F. G. Zinsser, of Zinsser & Co.

72d—OPD—Year

L & R Organics Products Company has moved to larger quarters at 50 White street, this city. Telephone CAnal 6-0606.

PM Since 1905
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A superior quality of triple super-phosphate
THE PHOSPHATE MINING CO.
110 WILLIAM STREET, NEW YORK NICHOLS, FLORIDA

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FOR THE DURATION
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TITANIUM TETRACHLORIDE • SULPHUR CHLORIDE
SILICON TETRACHLORIDE • CREAM OF TARTAR
SULPHURIC ACID • CAUSTIC SODA • WHITING
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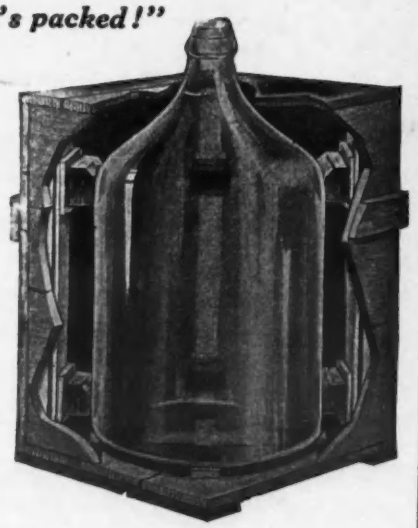
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Shellac Industry Committee Formed

OPD Washington Bureau

The Shellac Industry Advisory Committee has been appointed by the War Production Board. This committee replaces the subcommittee appointed about a year ago. Members of the new committee are:—

M. A. Rosen, Mantrose Corporation, Brooklyn, N. Y.; P. N. Rowe, P. N. Rowe Company, New York; Rudolph Zinsser, William Zinsser Company, New York; R. Y. Bradshaw, Bradshaw-Praeger Company, Chicago; Louis Gillespie, Gillespie-Rogers-Pyatt Company, New York; R. W. McClintock, Mac-Lac Company, New York; Harry C. Smith, Southern Shellac Manufacturing Company, Memphis, Tenn., and Henry E. Price, Colony Import & Export Company, New York.

72d—OPD—Year

Buy War Bonds

Chemical Salesmen's Xmas Party Draws 500

The Annual Christmas party of the Salesmen's Association of the American Chemical Industry, held in the Hotel Edison here December 17, drew an attendance of approximately 500 members and guests. Arrangements were in charge of Charlie Alexander, of Seldner & Enequist, chairman of the entertainment committee.

72d—OPD—Year

Cable with Lawson, Inc.

David L. Cable has become associated with W. B. Lawson, Inc., Cleveland, a subsidiary of Ferro Enamel Corporation. Mr. Cable's immediate activities will be in charge of sales of Ferro Drier & Chemical Company, producer of a full line of metallic soaps as driers for the paint and varnish, printing ink, grease and plastic industries. The Lawson firm is sole sales agent for Ferro driers. Mr. Cable will also retain his post as sales manager for Ferro Enamel Corporation as well as exercise a general interest in the industrial chemical business of the Lawson firm.

72d—OPD—Year

United Color Transfers Beauchamp to Newark

Wendell Beauchamp, for many years associated with United Color & Pigment Company in its San Francisco offices, has been transferred to that company's plant in Newark, N. J. His post in the Pacific coast offices is being filled by Lester C. Green. Both men have long been affiliated with the Golden Gate Paint, Varnish and Lacquer Association.

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is manufactured in any mesh for all industrial and chemical purposes.
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Cleveland Office . . . . . Union Commerce Bank Building
Cincinnati District . . Covington Trust Building, Covington, Ky.

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Dyestuffs, Textile, and Leather Chemicals

Revocation of Soluble Dried Blood Allocation Order Is Feature of Week in Market for Dyestuffs, Textile, and Leather Chemicals —Satisfactory Supplies Given as Reason

The War Production Board has revoked order M-192, which became effective September 1 and placed soluble dried blood under complete allocation. This action constituted the chief development of interest in the market for dyestuffs, textile, and leather chemicals over the past week, when conditions otherwise were just about unchanged. The reason given for the revocation of the order was that stocks of soluble dried blood are now at a satisfactory level. Contrary to original expectations, M-192 did not have any marked effect on the volume of demand for technical egg albumen. Investigation subsequently revealed that the latter material may be used interchangeably with light blood albumen, but not with soluble dried blood. Supplies of light blood albumen have been for some time and remain at a satisfactory level, but soluble dried blood was short at the time the now revoked order became effective.

Importers in the market stated last week that it is very difficult to obtain import licenses for raw materials, but that the government is more lenient in issuing licenses for the importation of extracts, due to the smaller shipping space required. As a consequence, quebracho extract stocks are at a fairly satisfactory level, but spot stocks of wattle bark are just about non-existent. Commodities in the market affected by a revision, effective December 28, of general imports order M-63, eliminating exemptions in favor of importations of materials on List I and List II of the order under existing contracts, are:—divi-divi pods; divi-divi, hemlock, and chestnut extracts; mangrove extract; myrobalan fruit and extract; quebracho extract; tara; valonia beards and valonia extract; wattle extract; and nutgalls or gall nuts.

Dyestuffs in general were in fair demand last week and, among sizing materials, egg yolk and egg albumen remained in tight supply due to continued heavy government demand for egg products. Corn starch was firm as lend-lease shipments of this material were being made in large volume and domestic demand also was active.

Army procurement of combed cotton broadcloth for the Women's Auxiliary Army Corps and Army nurses' uniforms has been facilitated by the setting of a ceiling price by the Office of Price Administration for one invitation to bid. The price is 19 cents per yard for 37-inch, 136x60, 4.00 to 4.20 combed broadcloth, when sold pursuant to Army invitation No. 669-43 Philadelphia negotiated 161. The present maximum in schedule 11 for these goods is 17 cents per yard.

Average weekly consumption of apparel class raw wool in October amounted to 11,263,000 pounds on a scoured basis, compared with 10,461,000 pounds in September and 10,399,000 pounds in October, 1941, according to the Census Bureau. The average weekly hours of operation for woolen and worsted looms was 2 percent more in October than in September.

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month	Last year.
260.2	260.2	261.5	253.3

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Acetate.—No new developments. Quotations unaltered.

Alumina Hydrate.—Material in light demand. No change pricewise.

Ammonia Bichromate. — Supplies tight. Prices confirmed.

Antimony Salt.—Fair demand. Quotations show no change.

Chrome Acetate. — New features lacking. Quotations steady.

Potash Bichromate. — Producers writing 1943 business at steady rate. Prices unchanged.

Soda Bichromate.—Producers consider 1943 outlook favorable as indicated by orders now being written. Quotations unaltered.

Soda Prussiate.—Users' needs light. No change pricewise.

Soda-formaldehyde, Sulphoxylate.—Lemand at recent levels. No change in quotations.

Dyestuffs

Annatto.—Supply level fairly satisfactory. Market steady.

Cochineal. — Good interest against light supplies. Tone firm.

Fustic. — Inquiry fair with prices showing no change.

Hypernic. — Consumers' interest in material fair. Prices same.

Madder, Dutch.—No change in level of demand. Quotations unaltered.

Turmeric. — No change in supply conditions. Price schedules confirmed.

Sizing Materials

Albumen, Blood.—Allocation order on soluble dried blood revoked due to satisfactory supply level. Light albumen also available in satisfactory volume. No change in quotations.

Albumen, Egg.—Position unaltered. Government demand for egg products heavy. No change in firm price situation.

Dextrin, Potato.—Material continues in tight supply. Tone firm.

Egg Yolk.—Market continues tight despite lighter needs of ice cream industry. Quotations firmly maintained.

Sago Flour. — Offerings light. No change in prices.

Starch, Corn. — Heavy lend-lease takings and active domestic demand hold market in tight supply position. Prices very firm.

Zein. — Demand satisfactory. No change in quotations.

Tanning Materials

Chestnut Bark Extracts. — Demand and prices steady at recent levels.

Divi-Divi. — Quotations steady at lower levels recently established due to shifting rates for war risk insurance.

Hematine. — No new developments. Prices unchanged.

Hemlock Bark Extract.—Market position unchanged. Undertone remains steady.

Mangrove Bark. — Demand unchanged from recent levels with prices unaltered.

Myrobalans.—Prices steady at lower levels recently set due to shifting rates for war risk insurance.

Nutgalls. — WPB allocation order governs transactions. No change in market tone.

Oakbark. — Demand steady. No change pricewise.

Osage Orange.—No new features in steady market.

Quebracho Extract. — Stocks at rather satisfactory level. Price schedules confirmed.

Wattle Bark. — Practically nothing available due to tight import conditions.

72d—OPD—Year

APC Adds to Vested Stock Of St. Denis, Kuhlmann

The Alien Property Custodian has vested 4 percent of the capital stock of Saint-Denis Kuhlmann, Saint Clair Dyestuff Corporation. This is in addition to the 95 percent already vested by the OPC. The 4 percent was in the name of H. Peter Rossiger, Long Island, N. Y.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 9

Natural Products Refining Co.
910 Garfield Avenue.
Jersey City, N. J.
Natural BICHROMATES

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Anhydrous Sodium Acetate, 98-99.5%
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(33-35% Acidity as Acetic Acid)
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CHROMIC ACID
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among men wounded at Pearl Harbor.
Every man with an abdominal wound
who reached the operating table alive
is still alive.
There was no peritonitis or other

THIS sentence, buried in a recent news story on the casualties at Pearl Harbor, is one of the most amazing statements in the history of medicine. It appeared—three quiet lines of type amid the screaming headlines of war—thirteen weeks after that fateful morning of December 7th.

It is important because it means that hundreds of American boys who were at Pearl Harbor are alive today, survivors of a type of wound that has been the dread of medical men for centuries.

It is the story of the life-saving sulfa drugs—their role in this war and the hope they hold for humanity.

Because these sulfa drugs are derivatives of coal-tar products and because the need for these drugs in every hospital and allied base is so urgently vital, Barrett is privileged to cooperate with the nation's great pharmaceutical houses to insure the production and delivery of *enough* of these products, *on time*.

If deliveries of Barrett Chemicals for civilian use are delayed or curtailed it is not only because they are essential for sulfa drugs . . . Barrett Chemicals for TNT and smokeless powder . . . for ship, tank and army truck finishes . . . for lubricating oils . . . for plastics . . . for extending rubber supplies . . . and for a host of other vital uses . . . are helping to speed America's weapons of war.

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Barrett

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ONE OF AMERICA'S GREAT BASIC BUSINESSES

BARRETT COAL-TAR CHEMICALS: Tar Acids: Phenols, Cresols, Cresylic Acids Naphthalene Phthalic Anhydride *Cumar (Paracoumarone-Indene Resin) Rubber Compounding Materials Bardol* Barretan* Pickling Inhibitors Benzol Toluol Xylol Solvent Naphtha Hi-Flash Solvent Hydrogenated Coal-Tar Chemicals Flotation Agents Tar Distillates Anhydrous Ammonia Sulphate of Ammonia Arcadian* the *American* Nitrate of Soda

Coaltar Chemicals

Coaltar Chemicals Continue in Tight Position With No Apparent Easiness in Supply Conditions—Benzol and Toluol Demands Heavy from War Effort—Phenol Lend-Lease Movement Large

The market for coaltar chemicals continued in tight position over the past week, there having been no easing in the short supply conditions that have prevailed in connection with the majority of basic products over the past several months. These shortages were reflected in acids and intermediates and non-essential users had little chance of filling their needs in last week's market.

Requirements for coaltar chemicals from war production quarters remained very heavy. Benzol continued to move in large volume to the government stockpile for use in connection with the synthetic rubber program, and takings for aviation gasoline also were in considerable volume. The output of crude naphthalene continued heavy, and this material was moving in large quantities into the production of phthalic anhydride. Lend-lease shipments of phenol again were heavy, and toluol was needed in large volume by the war effort.

The demand for hydrogenated solvents remained very active, and coaltar color factors were busily engaged in trying to supply the needs of textile mills working on government contracts.

Price Changes

Advanced
None
Reduced
None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
130.1	130.1	130.1	129.8

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Material continues in tight supply with needs for aviation gasoline remaining heavy and movement to government stockpile for use in connection with synthetic rubber program in large volume. Quotations steady. Estimates of byproduct cokeoven operations in week ended December 12 indicate production from that source 3,763,400 gallons of benzol.

Coaltar.—No change in level of demand. Supply conditions unaltered. Prices show no change. Estimates of byproduct cokeoven operations in week ended December 12 indicate production from that source of 14,689,400 gallons of coaltar.

Creosote Oil.—Good movement of material to utilities and railroads continues unabated. Supply condition continues tight. Prices show no change. Estimates of byproduct cokeoven operations in week ended December 12 indicate production from that source of 776,900 gallons of creosote oil.

Cresylic Acid.—Position continues very tight with prices firmly held.

Naphthalene. — Crude transactions governed by WPB allocation order with output heavy. Production of phthalic anhydride consuming large quantities. Demand for refined remains seasonally light. No change in quotations. Estimates of byproduct cokeoven operations in week ended December 12 indicate production from that source of 1,638,900 pounds of crude and refined naphthalene.

Pitch, Coaltar.—No new developments. Prices show no change.

Tar Acid Oil.—Demand and supply conditions unchanged. Quotations same.

Toluol.—War operations consuming material in large volume. Non-essential users have little chance in present market. Firm undertone with transactions governed by WPB allocation order. Estimates of byproduct cokeoven operations in week ended December 12 indicate production from that source of 752,600 gallons of toluol.

Xylol.—Supplies comparatively easy despite WPB allocation order. Quotations steady. Estimates of byproduct cokeoven operations in week ended December 12 indicate production from that source of 169,900 gallons of xylol, crude and refined.

Chicago, Dec. 16.—Tightness continues to prevail for most products in the general coaltar bases market. Buying for wartime needs is reported holding up well in total volume, and sellers seem to be showing no particular need for pushing additional offerings upon the market. Benzol is in active call. Ruling prices exclusive of tax are:—Benzol, 90 percent, 15c. per gallon; toluol, 28c.; 10-degree xylol, 27c.; solvent naphtha, 27c.; creosote oil, grade 1, 15½c.

Hydrogenated Solvents

Cyclohexane. — Position unaltered. Prices steady.

Cyclohexanol.—Good demand. Supplies light. Prices show no change.

Cyclohexanone.—Demand active. No alterations pricewise.

Methylcyclohexanol.—Heavy movement of material to consumers. Quotations same.

Coaltar Acids

Anthranilic.—Tone of market and quotations unchanged.

Benzoic, Technical. — New features lacking. Tone of market firm.

Broenner's.—No change in level of demand. Price schedules confirmed.

Cleve's. — No new developments. Prices steady.

Fumaric. — Supplies remain tight. Quotations firm.

Gamma.—No change in market position. Prices unaltered.

H.—Market firm. Level of demand unaltered. No price changes.

Laurent's. — Supplies low. Undertone firm.

Maleic.—Good demand against tight supplies. Prices show no change.

Malic.—Undertone similar to that of recent weeks. Level of activity unchanged. Prices same.

Picramic.—Market devoid of new developments. Quotations unaltered.

Picric.—Tone unaltered. No change as regards prices.

Sulphanilic. — Supplies continue tight. Interest good. Prices firm.

Tobias.—No change in market position. Quotations firm.

Other Intermediates

Alphanaphthol.—Demand continues active. Prices unaltered.

Alphanaphthylamine. — Demand good. Price schedules firm.

Anilin.—Transactions governed by WPB allocation order. Supplies of oil and salts light. No change in prices.

Anthraquinone.— Position unaltered with no change in price schedules.

Benzaldehyde. — Supply condition tight. Demand unchanged from recent levels. Prices firm.

Benzidin Base.—Users' needs heavy. Supplies tight. Quotations show no change.

Diethylanilin.—Supplies tight. Demand at recent levels. Prices firm.

Dimethylanilin.—Production below steady demand. No change in price schedules.

Dinitrobenzene. — Supplies inadequate to cope with demand. Market very firm.

—Continued on page 37

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 9

Washington Talks It Over

—Continued from page 5

Astronomical Vitamins

The government's heavy purchases of vitamin A fishliver oils now being carried on by the Agricultural Marketing Administration are intended to figure very importantly in the long-range program of feeding the Allies next year. Although AMA is buying at the rate of trillions of A units a month, this is mostly for stockpiling purposes.

As officials see the situation developing, the warring Allies will be in urgent need of vitamins in about a year, particularly Russia because she has been so busy keeping Germany in check that she has been unable to do more than keep up with her minimum food requirements. If and when the need for help from us arises we will be ready. Something like 21,000,000,000,000 units are to be bought under the present purchase program.

Sardines, Sisal and Secrecy

The United States and Portugal have entered into an economic "understanding" to facilitate the exchange of commodities between the two countries, but the State Department is withholding details for the duration.

This much is known of it, however:—the United States will receive a substantially larger share of Portugal's strategic raw materials, especially wolfram which is source of tungsten and an essential element in the manufacture of high-grade steel—most of this has been going to Germany. Also we will get larger amounts of Portuguese sardines, cork, and sisal. In return Portugal will get increased quantities of petroleum products and fertilizer from us.

Action on the part of the department in keeping details of the pact secret, now shows that there are at least three kinds of agreements that can be entered into involving exchange of commodities by this country:—(1) Those not available for publication; (2) those negotiated under the trade agreements act and announced to the public; (3) and those submitted to the Senate for ratification.

Peanut-Pricing Politics

The Agriculture Department plans to revise its peanut-pricing program for 1943 to do away with the present system of having one price for edible peanuts and another for peanuts grown for oil. What it hopes to do—the peanut (State) congressmen willing—is to set up one price for both kinds of nuts.

The department has already begun some spade work toward this end by sending letters to the congressmen and senators pointing out the advantages of a single pricing system. No one will lose anything by the change over, it was pointed, least of all the farmer. He will receive an average of $125 a ton for the crop as against present prices of $82 for the oil nuts and $130 for the edible nuts.

If Congress bucks, the price support program now in operation will continue for next year.

Soybean Sausages

If anyone has been wondering what is to be done with all the soybean meal that will be left from the crushing of the largest soybean crop every grown in this country this year, it can now be told. It is going to be used as an extender for meat products, among other things.

Soybean meal has been proved under analysis to measure up to the vitamin count of meat. And since meat supplies are to be even scarcer next year than now, officials have plans to have the packers substitute the meal for meat scraps in making sausages and other processed products. A little bit of meat and lot of meal won't make any differences in the nutritive qualities of the product—and everyone will get enough to eat.

72d—OPD—Year

New Equipment Parts L-123 Exempt

OPD Washington Bureau

The exemption of general industrial equipment for certain repair and maintenance purposes from the control over distribution does not apply to spare parts for new equipment, it was made clear by interpretation No. 2 of order L-123. The interpretation explains that equipment is considered "new" when it has not been delivered to a person acquiring it for use. The interpretation also points out that the exemption is intended to provide for the repair and maintenance of any existing equipment which has been delivered for use, including equipment delivered prior to the issuance of the order.

72d—OPD—Year

Cottonseed Crushings Up

Cottonseed received at mills, crushed and held, and cottonseed products manufactured, shipped out and held from August 1 to November 30, 1942, and 1941, according to the Census Bureau, were as follows:—

Cottonseed

	Tons 1942	Tons 1941
Receipts	3,709,660	8,091,212
Crushed	2,074,795	1,783,102
On hand Nov. 30	1,713,636	1,438,639

Crude Oil

	Pounds 1942	Pounds 1941
Produced	639,972,000	550,738,000
Shipped	586,536,000	488,840,000
On hand Nov. 30	157,849,000	158,692,000

Refined Oil

	Pounds 1942	Pounds 1941
Produced	464,904,000	384,063,000
Shipped	.....	.....
On hand Nov. 30	254,713,000	276,583,000

Cake and Meal

	Tons 1942	Tons 1941
Produced	913,129	778,187
Shipped	985,451	585,761
On hand Nov. 30	117,778	356,870

Hulls

	Tons 1942	Tons 1941
Produced	500,716	447,643
Shipped	472,470	354,972
On hand Nov. 30	72,364	244,310

Linters

	Bales 1942	Bales 1941
Produced	617,864	514,586
Shipped	512,432	490,854
On hand Nov. 30	148,727	137,886

72d—OPD—Year

Loren Dickerson, of Arthur D. Little, Inc., consultants on industrial research, has been elected to membership in the 200 Associates of Phi Beta Kappa, the national scholastic honorary society.

Coaltar Chemicals

Other Intermediates

—Continued from page 36

Dinitronaphthalene.—No new developments. Prices firm.

Dinitrotoluene. — Consumers' needs in large volume. No change in quotations.

Diphenyl. — Steady interest. No change pricewise.

Diphenylamine. — Market position tight. Material continues in good demand. Prices same.

G Salt.—Demand and supply conditions show no change. Prices unaltered.

Metanitroanilin.—Limited offerings. Quotations firm.

Metanitroparatoluidin.—Market firm with supplies tight.

Metaphenylenediamine. — Offerings being absorbed at active rate. WPB allocations govern transactions. No change pricewise.

Metatoluylenediamine.—Call active. Market firm. Material under WPB allocation order. Prices unaltered.

Nitrobenzene. — Supply situation tight. Market position firm.

Nitronaphthalene. — Position unchanged. Prices firm.

Orthonitroparachlorophenol.—Shortage of raw materials holds market very firm.

Orthonitrophenol.—Tone firm. Supplies tight.

Paradichlorobenzene.—Supplies for essential agricultural needs reported adequate. Prices show no change.

Paranitrochlorobenzene.—Market in very tight position. Quotations unaltered.

Paranitrophenol. — Supplies tight. Prices steady.

Phthalic Anhydride.—Under WPB allocation and use control. Production schedules heavy. Tone very firm.

Schaeffer's Salt.—Demand continues unchanged from recent levels. Price schedules show no change.

Coaltar Colors

The needs of mills working on government contracts continued to keep coaltar color factors busy over the

"Find out what happens when you substitute

ammonium thiocyanate"*

(* Ammonium Sulfocyanide)

If you use an ammonium salt in your process you should experiment with substituting Ammonium Thiocyanate (Ammonium Sulfocyanide). Perhaps you will discover valuable modifications.

Test it in your laboratory in place of the chloride, the oxalate, the acetate, the carbonate or the nitrate.

The variations that occur from the Thiocyanate group might bring interesting and worthwhile results.

Koppers has placed in operation a large commercial plant for the production of Ammonium Thiocyanate crystals and can now offer this chemical in quantity at substantial savings over former costs. Koppers can supply Ammonium Thiocyanate crystals with a minimum purity of 95%.

Test samples, quotations and further information on request.

KOPPERS COMPANY
TAR AND CHEMICAL DIVISION
PITTSBURGH, PA.

past week, but the demand for dyes from the civilian textile industry remained low and rather a good supply situation is noted among certain shades.

72d—OPD—Year

Phthalic Anhydride Advisory Group Formed

—*Continued from page* 3

Harker, who joined WPB in April, is a dollar-a-year man and is head of the intermediates unit of the aromatics and intermediates section of the Chemical Division of the WPB. Members of the committee are:—

E. M. Flaherty, fabrics and finishing department of E. I. du Pont de Nemours & Co., Wilmington; W. T. McAdams, of the American Cyanamid Company, New York; F. C. Renner, of the Monsanto Chemical Company, St. Louis; E. M. Maxwell, of the National Aniline & Chemical Division of Allied Chemical & Dye Corporation, New York; C. J. O'Connor, of Reichhold Chemicals, Inc., Detroit, and R. C. Quortrup, of the Barrett Division of Allied Chemical & Dye Corporation, New York.

72d—OPD—Year

Sulfamic Acid Ban Eased for Laboratories

—*Continued from page* 3

materials are needed monthly by testing, analytical, control, educational and research laboratories. Under the terms of the order as amended, five pounds per person per month of these materials may be distributed without application by the laboratory to WPB, but no producer or distributor is allowed to deliver more than 100 pounds during any one month. It is estimated that less than half of one percent of the total production will be under the exemption. Definitions in the order are:—

"Sulfamic acid" means the chemical compound of that name having the formula HSO_3NH_2.

"Sulfamic acid derivatives" means ammonium sulfamate and fire retardants made from sulfamic acid.

Obituaries

George Mann

George Mann, president and treasurer of George Mann & Co., Inc., textile chemicals, Fall River, Mass., died recently at Jane Brown Memorial Hospital, that city. Mr. Mann was born in Leicester, Mass., June 26, 1890, son of the late Billings and Cora E. (Snow) Mann. He went into the textile chemical business in 1919.

He was a member of the Fall River Rod and Gun Club, Newport Rod and Gun Club, Chemists' Club of New York, the Metacomet Golf Club, and the Order of Masons.

Surviving are his wife; two sons, Billings L. Mann, his associate in business, and Lieut. Charles R. Mann, stationed at Camp Bowie, Texas; and a daughter, Miss Edna Frances Mann, of Baltimore, Md.

Albert E. Starkie

Albert E. Starkie, of Albert E. Starkie Co., chemicals, Oak Park, Ill., died recently. He was forty-seven years of age. He started his own organization fifteen years ago, after being with Glidden Co., Chicago, for many years. Mrs. Starkie will carry on the business. She has two sons in the armed forces.

72d—OPD—Year

R.R. Rate Increase Protest Denial Asked

—*Continued from page* 7

The increase in revenue resulting from the rate increase, it was stated, fails by $150,000,000 a year to meet added costs due to increases in wages, authorized in 1941, and prices of materials.

Due to reductions made voluntarily in charges on the movement of such things as ammunition, sugar, rubber and petroleum, the carriers said, the revenue they now receive for hauling a ton of freight one mile averages 0.927 cests "which is less than in any year since 1918."

REPUBLIC AMMONIUM SULPHATE

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BENZOLS
1° — 2° — 90% - Motor

TOLUOLS
Nitration-Commercial

XYLOLS
3° — 5° — 10° — Commercial

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What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Four-hundred-fortieth Instalment

Rubber

Vulcanization Accelerators for Rubber

1-Mercapto-3-methylbenzothiazole reaction products with (continued)—
- (19) Diparanitrophenylcarbamyl-1-benzothiazyl sulphide
- (20) Diparaphenetidylcarbamine chloride
- (21) Diparatolylcarbamine chloride
- (22) Ditetrahydroalphafurfurylcarbamine chloride
- (23) N-Ethylcyclohexylcarbamine chloride
- (24) N-Ethylcyclohexylcarbamyl-6-methylbenzothiaxyl 1-sulphide
- (25) Pentamethylenecarbamine chloride
- (26) Substituted carbamine halides

2-Mercapto-4-methylbenzothiazole reaction products with—
- (1) 2-Chlor-1:3-dioxane
- (2) 2-Chlor-1:4-dioxane
- (3) 2-Chlor-1:4-dithiane
- (4) 2:3-Dichlor-1:4-dioxane
- (5) 2:3-Dichlor-1:4-dithiane
- (6) 2:3-Dichlor-1:4-thioxane
- (7) Halogen-substituted dioxane or its sulphur analog

4-Mercapto-N-methyldihydroquinazolin

1-Mercapto-3-methylnitrobenzothiazole reaction products with—
- (1) Betabeta'-oxytetramethylenecarbamine chloride
- (2) Dialphanaphthylcarbamine chloride
- (3) Diamylcarbamine chloride
- (4) Dibenzylcarbamine chloride
- (5) Dibetanaphthylcarbamine chloride
- (6) Dibetaphenethylcarbamine chloride
- (7) Dibutylcarbamine chloride
- (8) Dibutylcarbamyl-1-benzothiazyl sulphide
- (9) Dicyclohexylcarbamine chloride
- (10) Dicyclohexylcarbamylbenzothiazyl sulphide
- (11) Diorthoanisylcarbamine chloride
- (12) Diorthohydroxyphenylcarbamine chloride
- (13) Diorthomethylcyclohexylcarbamine chloride
- (14) Diorthophenetidylcarbamine chloride
- (15) Diorthotolylcarbamine chloride
- (16) Dipara-anisylcarbamine chloride

1-Mercapto-3-methylnitrobenzothiazole reaction products with (continued)—
- (17) Diparahydroxyphenylcarbamine chloride
- (18) Diparamethylcyclohexylcarbamine chloride
- (19) Diparanitrophenylcarbamyl-1-benzothiazyl sulphide
- (20) Diparaphenetidylcarbamine chloride
- (21) Diparatolylcarbamine chloride
- (22) Ditetrahydroalphafurfurylcarbamine chloride
- (23) N-Ethylcyclohexylcarbamine chloride
- (24) N-Ethylcyclohexylcarbamyl-6-methylbenzothiazyl 1-sulphide
- (25) Pentamethylenecarbamine chloride
- (26) Substituted carbamine halides

4-Mercapto-5-methylpyrimidin

4-Mercapto-6-methylpyrimidin

4-Mercapto-2-methylquinazolin

4-Mercapto-5:6-naphthopyrimidin

Mercaptonaphthothiazoles reaction products with—
- (1) Benzylamines
- (2) Cyclohexylamines
- (3) Primary amines

1-Mercapto-4-nitrobenzothiazole, or 1-mercapto-5-nitrobenzothiazole reaction products with—
- (1) Betabeta'-oxytetramethylenecarbamine chloride
- (2) Dialphanaphthylcarbamine chloride
- (3) Diamylcarbamine chloride
- (4) Dibenzylcarbamine chloride
- (5) Dibetanaphthylcarbamine chloride
- (6) Dibetaphenethylcarbamine chloride
- (7) Dibutylcarbamine chloride
- (8) Dibutylcarbamyl-1-benzothiazyl sulphide
- (9) Dicyclohexylcarbamine chloride
- (10) Dicyclohexylcarbamylbenzothiazyl sulphide
- (11) Diorthoanisylcarbamine chloride
- (12) Diorthohydroxyphenylcarbamine chloride
- (13) Diorthomethylcyclohexylcarbamine chloride
- (14) Diorthophenetidylcarbamine chloride
- (15) Diorthotolylcarbamine chloride
- (16) Dipara-anisylcarbamine chloride
- (17) Diparahydroxyphenylcarbamine chloride
- (18) Diparamethylcyclohexylcarbamine chloride

1-Mercapto-4-nitrobenzothiazole, or 1-mercapto-5-nitrobenzothiazole reaction products with (continued)—
- (19) Diparanitrophenylcarbamyl-1-benzothiazyl sulphide
- (20) Diparaphenetidylcarbamine chloride
- (21) Diparatolylcarbamine chloride
- (22) Ditetrahydroalphafurfurylcarbamine chloride
- (23) N-Ethylcyclohexylcarbamine chloride
- (24) N-Ethylcyclohexylcarbamyl-6-methylbenzothiazyl 1-sulphide
- (25) Pentamethylenecarbamine chloride
- (26) Substituted carbamine halides

2-Mercapto-6-nitrobenzothiazole reaction products with—
- (1) 2-Chlor-1:3-dioxane
- (2) 2-Chlor-1:4-dioxane
- (3) 2-Chlor-1:4-dithiane
- (4) 2:3-Dichlor-1:4-dioxane
- (5) 2:3-Dichlor-1:4-dithiane
- (6) 2:3-Dichlor-1:4-thioxane
- (7) Halogen-substituted dioxane or its sulphur analog

1-Mercapto-4-nitro-5-chlorobenzothiazole reaction products with—
- (1) Betabeta'-oxytetramethylenecarbamine chloride
- (2) Dialphanaphthylcarbamine chloride
- (3) Diamylcarbamine chloride
- (4) Dibenzylcarbamine chloride
- (5) Dibetanaphthylcarbamine chloride
- (6) Dibetaphenethylcarbamine chloride
- (7) Dibutylcarbamine chloride
- (8) Dibutylcarbamyl-1-benzothiazyl sulphide
- (9) Dicyclohexylcarbamine chloride
- (10) Dicyclohexylcarbamylbenzothiazyl sulphide
- (11) Diorthoanisylcarbamine chloride
- (12) Diorthohydroxyphenylcarbamine chloride
- (13) Diorthomethylcyclohexylcarbamine chloride
- (14) Diorthophenetidylcarbamine chloride
- (15) Diorthotolylcarbamine chloride
- (16) Dipara-anisylcarbamine chloride
- (17) Diparahydroxyphenylcarbamine chloride
- (18) Diparamethylcyclohexylcarbamine chloride

(To be continued)

Paint, Varnish, Lacquer Materials

Moderate Movement Continuing in Some Pigments, Fillers And Colors But Bulk of Business Is Still in War Orders —Importations Restricted on Four More Materials

With orders from the various branches of the United States military establishments constituting more than half the current volume of business in paint, varnish and lacquer materials, the buying movement on non-essential-to-the-war accounts is undergoing a further seasonal contraction and is now confined for the most part to replenishment of spottily depleted stocks by manufacturers of finished paints and varnishes engaged in the customary mid-winter enterprise of mixing and otherwise preparing new batches of ready-to-use products in anticipation of a confidently expected revival of both exterior and interior painting operations by professional painters next Spring. Between the purchases made by these paint and varnish mixers and those effected for wholesalers and other dealers, the manufacturers and processors are being kept fairly busy in such pigment lines as lead and zinc oxides, titanium, litharge, lithopone and orange mineral, also in such fillers as gypsum, mica and whiting and in such dry colors as chrome oxide, chrome greens and yellows and zinc yellow.

With the imposition of additional allocation control over the principal constituents of synthetic resins, intensified search is being made for natural resins to replace the former, with the result that Congo copal gum, whose importation is continuing on a fairly sizable scale, is now moving more freely into consuming channels with skillful sorting and grading of the unsorted lots arriving here affording a fairly wide selection of newly sorted grades.

In addition to the limitation hitherto placed on importations of numerous fillers and other paint materials of foreign origin, the War Production Board has added to its list of thus restricted imports, requiring specific authorization, strategic mica and unprocessed asbestos from South Africa, both embraced in its List II, as well as ilmenite, from which titanium is derived, and glue valued at less than 40 cents per pound, which it has included in its List III. WPB has accomplished this by means of an amendment, approved December 17, to its General Imports Order M-63, whereby all the articles named in List II are banned from importation, to the same extent as those in List III except when express authority is obtained for this purpose.

Metallic Lead and Zinc

With the pig lead reserves of the War Production Board reaching comfortable proportions, that bureau is continuing its liberal policy toward the paint industry, permitting oxidizers and other makers of lead pigments to obtain all they require for their current operations. In the metal trade is now figured that the consumption of metallic lead for the entire current month will be the largest in several months, because of the recent more extensive releases from the stockpile of imported metal. Deliveries from the foreign supply are already under way and those from government-owned stores are expected to swell the flow, within a few days. It is currently reported that certain inequalities have latterly been discovered by the Office of Price Control and that these will be adjusted as soon as OPA completes its study of lead basing prices. Zinc slabs, while in by no means as liberal supply as pig lead, are still procurable in fair quantities by the manufacturers of zinc oxides and sulphides who are expressly exempted from WPB's restrictions on the use of this metal in numerous industries. There is a scarcity, however, of some high grades, and even the holders of allocation certificates are finding it difficult to locate free supplies of these grades in sizable amounts.

Lead. — Prevailing spot prices at New York, St. Louis and London for the period from December 11 to December 18, inclusive, were as follows:—

	Pigs		
	Per pound		Spot, Per ton
	New York.	St. Louis.	£ s. d.
Saturday	$0.0650	$0.0635	* .. .. ..
Monday	.0659	.0635	.. .. ..
Tuesday	.0659	.0635	.. .. ..
Wednesday	.0650	.0635	.. .. ..
Thursday	.0650	.0635	.. .. ..
Friday	.0650	.0635	.. .. ..

* London exchange closed.

Zinc. — Prevailing spot prices at New York, East St. Louis and London for the period from December 11 to December 18, inclusive, were as follows:—

	Slabs		
	Per pound		Spot, London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0866	$0.0825	* .. .. ..
Monday	.0866	.0825	.. .. ..
Tuesday	.0866	.0825	.. .. ..
Wednesday	.0866	.0825	.. .. ..
Thursday	.0866	.0825	.. .. ..
Friday	.0866	.0825	.. .. ..

* London exchange closed.

Price Changes

Advanced

None

Reduced

Rosin, gum, 1c. to 7c. per 100 lbs.
Turpentine, gum, ¼c. per gal.

Comparative Values

Index numbers compiled from ten typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
140.2	140.2	140.2	137.9

Market news that may have developed after this report was sent to press will be found on page 4.

Pigments

Blue Lead.—Fair buying interest continues to be shown in this pigment. Some business is now being booked for first quarter of 1943. Supplies adequate. Prices well maintained.

Lead Titanate.—Continues in moderate request. Stocks sufficient for current needs. Tone steady.

Litharge. — Moving steadily into normal consuming channels. Stocks fair-sized. Prices firmly held.

Lithopone.—In good inquiry. Supply situation fairly easy. Tone stable.

Orange Mineral.—Buying movement of fair proportions noted. Stocks moderate-sized. Prices firmly held.

Red Lead.—New contracts covering first quarter of 1943 now being made in fair volume. Supplies adequate. Tone steady.

Titanium Dioxide.—Shipments thus far in December compare favorably with those for October and are run-

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 9

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Photo by U. S. Army Signal Corps

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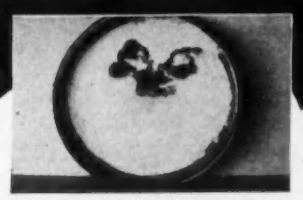

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ning ahead of those for November. A sizable buying interest is shown for deliveries after the turn of the year. Stocks fairly ample. Prices well maintained.

WPB, in its amendment to General Imports Order M-63, has continued ilmenite, including ilmenite sand, in its List III, and hence shut out from importation since July 2, last, except upon specific authorization from that bureau.

White Lead.—Further improvement noted in buying interest. Supply situation, however, fairly easy. Tone stable.

Zinc Oxide. — Buying movement stimulated still further by increasing requirements of manufacturers of reclaimed rubber. Stocks still ample. Prices firmly held.

Fillers and Extenders

Asbestos.—Buying interest increasing on civilian account as well as on Army and Navy orders. WPB has placed a ban on imports of this material in unmanufactured form from Rhodesia or the Union of South Africa, except when its specific authorization is obtained. This has been accomplished by an amendment to WPB's General Imports Order M-63, making this commodity when of South African origin subject, together with all other articles named in its List II to this import restriction. Prices on domestic and Canadian material firmly maintained.

Barytes.—Continues in moderate request. Supplies ample. Tone steady.

Charcoal.—Business is still of a routine order. Stocks adequate but prices well maintained.

China Clay. — With a gradual awakening of the paper coating industry, further improvement is noted in the demand for this material. Stocks continue fair-sized. Market tone steady.

Diatomaceous Earth.—In good inquiry. Supplies ample. Prices firmly held.

Fuller's Earth.—In steady call. Stocks adequate. Tone stable.

Graphite.—Continues in fair request and moderate supply. Prices well maintained. As previously mentioned, WPB has ordered complete allocation of all kinds of "strategic" graphite, besides a lower grade of Madagascar, formerly covered in this control.

Gypsum.—A moderate buying movement continues to be reported. Stocks are still fair-sized, although production is being curtailed somewhat by a scarcity of skilled workers in the mines. Tone holding strong.

Mica.—So-called "strategic" mica of foreign origin can be brought into the United States only on specific authorization by WPB, according to an amendment made December 17 to General Imports Order M-63, which has made all articles set forth in List II, wherein mica appears, subject to the same restrictions as those in List III. This, however, does not concern the dry and wet ground mica used in the paint industry, the supply of which is adequate for all current needs of the trade.

Talc.—A steadily increasing demand is noted from paint makers for the lower medium grades, now that WPB has reserved available supplies of steartite talc for war production purposes. Stocks continue fair-sized. Prices are being well maintained on all grades.

Whiting.—In better call. Supplies ample but tone strong.

Driers

Stearates and palmitates continue to move steadily into consuming channels. There is also a fair inquiry for linoresinates and other substitutes for naphthanates. Leading producers and suppliers are holding prices firmly throughout the list.

Dry Colors

Though still "spotty," the market for dry and chemical colors is developing greater activity. Special interest continues to be shown in chrome oxide and zinc yellow but the buying in chrome green and chrome yellow is also fairly brisk. Prices are being well maintained throughout the list. In some lines, however, production is running ahead of the buying movement and producers are being enabled to build up depleted inventories to some extent.

Alkali Blue.—A moderate buying interest is currently shown in this color. Stocks are only fair-sized. Prices are firmly held.

Bone Blacks.—A fair buying movement is developing. Prices are well maintained.

Chrome Colors.—In steadily improving demand. Greatest buying interest now being shown in chrome oxide and zinc yellow but there is also a moderate movement of chrome green and chrome yellow. Prices are well maintained throughout. Some orders now being booked at present prices for first quarter of 1943.

Carbon Blacks. — While the volume of business originating in the paint industry continues rather light, buying by reclaimed rubber interests is gaining momentum daily. Reflecting this latter business, sales of carbon black of the channel type have been materially amplified within the past month or two. For November, they have amounted to 27,187,000 pounds, compared with 26,673,000 pounds for October. Production of gas black for November is shown to have declined slightly, from 32,780,000 pounds for October to 32,584,000 pounds. Stocks in the hands of producers have risen 5,397,000 pounds within that month to 230,211,000 pounds. Total business emanating from the paint trade has fallen off heavily within the past year, chiefly because of the loss of the biggest consumer of black paints, the automobile industry, and is not expected to aggregate more than 50 percent of that for 1941.

Lithol Toners.—In fair inquiry. Stocks light. Tone firm.

Mercuric Oxides. — Continue in moderate request and small supply. Prices firmly held.

Ochers.—In only light demand. Supplies still meager. Tone steady.

Vermilion. — Still moving steadily, but in light volume. Stocks adequate. Prices well maintained.

Lacquer Materials

Acetone.—Government demand for acetone continues heavy. December 19 was date set for opening of bids at Wright Field on 12,000,000 pounds of acetone, its year's requirements. No change as regards prices.

Cellulose Acetate.—WPB allocation order, effective January 1, on calcium carbide, chief component of acetic anhydride used in acetate rayon, expected to bring about gradual shift in next few months by acetate rayon spinners from coarser to finer deniers. Cellulose acetate quotations unaltered.

Nitrocellulose.—A revision, effective December 17, of general imports order M-63, eliminates exemption in favor of importations of munitions or chemical grades of cotton linters, along with an extensive list of commodities on List I and List II of the order. Nitrocellulose market tone, prices, unchanged.

Shellac

Decrease in the supplies of shellac available for bleaching and the possibility of inter-changing grades of shellac made necessary a conference between representatives of the shellac industry and the War Production Board. The Shellac Industry Advisory

OPA Transfers Paint Unit to Chem. Div.

OPD Washington Bureau

The paint unit of the Building Materials Section of the Office of Price Administration has been transferred to the Chemicals Division of the OPA and combined with its Protective Coating Section. The functions heretofore carried on by the unit will be under the direction of Gus D. Goldberg, head of the Protective Coating Section.

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A page from the record of the contributions made by U.S.I.'s Research Laboratories to the paint, varnish, and lacquer industries.

THE STORY OF ETHYL ACETATE

When the introduction of low viscosity nitrocellulose in 1920 brought the lacquer industry into being, a great demand arose for special solvents.

Among the most desirable of these was ethyl acetate, because of its strong solvent power, speed of solution and compatibility with practically all lacquer ingredients. But these advantages were partly offset by two drawbacks. The raw materials used in its manufacture—crude acetic acid or acetate of lime—frequently left an objectionable odor in the finished product. And the slow "batch process" of manufacture then practiced was costly.

Realizing the lacquer industry's urgent need for a cheaper, pleasant-smelling ethyl acetate, U. S. I. turned the problem over to its research laboratories. The results were twofold: production of exceptionally pure acetic acid by fermentation of ethyl alcohol, thus eliminating unpleasant odors; and development of a single, continuous manufacturing process which was both quick and economical. These achievements opened new fields of usefulness for ethyl acetate.

The same qualities that quickly created a large demand for U. S. I. Ethyl Acetate today have diverted a major portion of this solvent to wartime applications. And the equally outstanding characteristics of U. S. I. Amyl Acetate, Normal Butyl Acetate, Butanol, Butyl Phthalate and Solox have given important roles in defense to these chemicals also. Meanwhile, U. S. I. research continues without interruption, anticipating the future needs of the lacquer industry for new and improved solvents and chemicals.

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Committee, a list of those comprising it appearing below, met with government representatives and discussed the shortage of seedlac for bleaching that has resulted from the smaller importations from India.

Consideration was given to the possibility of interchanging the more than twenty different Calcutta shellac gradings for different end uses. Emphasis was put on the need for bleached and de-waxed shellac in the war effort. The matter of a possible revision of the War Production Board order M-106 to include seedlac and bleached shellac was discussed. The conference was exploratory and so far as public announcement was concerned, no definitive action was taken.

Synthetic Resins

With restrictions on phenolic resins and molding compounds becoming fully operative at the turn of the year and with WPB's request for conservation of vinyl resin and pyroxylin-coated fabrics likely to terminate in a similarly restrictive order, the market for synthetic resins is fast becoming rather cramped, with recourse being made to substitutes for strictly allocated materials whenever possible. Soluble dried blood has been released from allocation control but acrylic resins and acrylic monomer have been placed under such control together with phthalic alkyd resins.

Chlorinated Rubber. — Except for occasional movements of the few small supplies still on hand, business in this material has come to a virtual standstill.

Ester Gum.—In view of WPB's reductions in allocations of glycerine, production has become somewhat contracted. There is still a fair call for this gum which is now in rather light supply.

Naval Stores

Quiet conditions prevailed much of the time in Southern and local markets for rosin and turpentine last week although there were reports of some increase in the movement of turpentine in tankcars. In the main, however, the situation presented the same features noted in the previous week. Daily offerings in the Savannah market were light or moderate and the prevailing tone was steady or firm. There was some irregularly at times in rosin quotations, but changes were generally within comparatively small limits.

Production continues to diminish as usual at this season. Receipts in the three principal markets in the South during the first eight months of the naval stores year showed a decrease as compared with the corresponding period in recent preceding years. Stocks of turpentine in these markets at the close of November, however, were more than 32,000 barrels larger than at the same time last year. On the other hand supplies of rosin were about 30,000 barrels smaller than in the previous year.

Turpentine.—Changes in turpentine prices were narrow last week in the absence of any wide movement of quotations in the primary center where daily offerings were light. Purchasing here was generally limited to small lots to fill the current needs of consumers.

Savannah, Dec. 18.—Following is a record of the turpentine market for the week:—

	Gallons—Cents.	Gallons—Sales.	Barrels—Receipts.	Barrels—Shipments.	Barrels—On hand.
Saturday*	...	...	...	...	...
Monday	63¾	1,400	152	...	27,089
Tuesday	63½	1,200	51	129	27,011
Wednesday	63½	2,100	135	294	26,852
Thursday	63¼	1,700	123	177	26,698
Friday	63¼	1,200	106	84	26,820

* No trading.

Jacksonville, Dec. 14.—Turpentine stock 20,245 barrels.

Chicago—December 18

Business fairly good in turpentine. Ruling prices at the close of business last night were:—Five-drum lots, 76c. per gallon; five wood barrels, 81c.; single drums, 79c.; single barrels, 84c.

London, Dec. 14.—Turpentine, 87s. per cwt.

Rosin.—A fair inquiry for the various grades of rosin was noted in some local quarters, but as usual at this period of the year purchasing was generally confined to small lots for prompt shipment. Changes in quotations were within comparatively narrow limits.

Savannah, Dec. 18.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted—*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B		$3.11	$3.11	$3.12	$3.10	$3.10
D		3.21	3.20	3.20	3.18	3.18
E		3.34	3.30	3.30	3.28	3.28
F		3.41	3.40	3.39	3.38	3.38
G		3.43	3.42	3.40	3.39	3.39
H		3.43	3.43	3.40	3.40	3.40
I		3.45	3.45	3.42	3.43	3.44
K		3.48	3.50	3.46	3.46	3.46
M		3.51	3.52	3.48	3.50	3.50
N		3.52	3.55	3.50	3.52	3.52
WG		3.88	3.70	3.70	3.70	3.70
WW		3.76	3.76	3.76	3.76	3.76
X		3.76	3.76	3.76	3.76	3.76
		Barrels				
Sales		309	284	202	249	171
Receipts		9	76	472	259	176
Shipments		...	...	638	100	8
Stocks		...	...	...	...	93,144

* No trading.

Jacksonville, Dec. 14.—Rosin stock 166,894 barrels.

Chicago—December 18

Rosin fairly active. Ruling prices at the close of business last night in five-drum lots were:—B grade, $4.52 per 100

—Continued on page 62

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Linseed Oil Prices Follow Flaxseed Upward—Refined Cottonseed Oil Consumption Much Lower in November — Lard Stocks Gain As Hog Receipts Increase—General Market Firm

Scarcity of offerings of many crude and refined products and a generally firm tone were still the outstanding features of the market for vegetable, animal and fish oils, fats and greases last week. On the whole, business was quiet. Here and there a fairly active inquiry was noted, but as in recent preceding weeks actual transactions were limited to comparatively small lots.

As already intimated, quotations were well maintained in the absence of any increase in offerings. Linseed oil quotations were again advanced by crushers owing to a further rise in flaxseed prices in Northwestern markets. The views of some in the linseed oil trade as to the probable course of prices in the long run were very bullish.

In an amendment to General Preference Order M-71, export quotas for oils and fats were broadened by exempting restrictions as to quantities shipped to various foreign destination, including Canada. The AMA also announced that it would receive bids until December 24 for purchase of 31,000 pounds of fine low fats soya grits. Purchases will be made from all regions. The awards will be made not later than December 28.

Further government restrictions on the exportation of cottonseed and peanut oils and also lard were proposed in official quarters. A favorable report on a proposal to make greater use of fish and linseed oils in the manufacture of shortening and other edible products was also issued from Washington. Another official report fixed rates and surcharges on imports of copra and coconut oil from Indian ports and Colombo, Ceylon.

Price Changes

Advanced

Linseed oil, 2/10c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
191.5	**191.3**	**191.2**	**177.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Castor, Dehydrated.—With supplies of basic material below normal and demand for product holding up well, market remains in firm position.

Chinawood.—Less difficulty reported recently in securing government agency approval of applications for moderate quantities.

Coconut.—Local market continued quiet and nominal in absence of offerings. Similar conditions reported in outside markets.

Corn.—Inquiries for crude and refined, but few transactions reported here owing to lack of adequate supplies.

Cottonseed.—Free supplies of edible oil light, some sellers not being in a position to offer for prompt or nearby delivery.

Mustard Seed.—Firm with general conditions unchanged, buying orders still being more than sufficient to absorb production.

Oiticica. — Importers and dealers generally without supplies and market quiet, though inquiries were not lacking.

Olive.—Buyers of domestic edible oil generally interested in comparatively small lots to fill current needs. Imported oil quiet. Prices steady.

Palm.—Recent importations apparently applied mainly on contracts previously placed, leaving little available on spot.

Peanut.—Offerings of crude oil still slim in primary markets. Inquiries noted but few transactions. Refined oil quiet locally.

Perilla.—Inquiry limited to small quantities. Stocks light. Ceiling prices prevail.

Soybean.—No increase in offerings, crude or refined. Many producers sold ahead. Inquiries numerous.

Markets at Other Centers

Chicago—December 18

Vegetable oils quiet. Corn oil, crude, 12¾c. per pound; refined, edible oil, 15¼c. to 15½c. per pound, drums, car lots; 15¾c. to 16c., drums, less than car lots; soybean oil, crude, 11¾c. per pound, mills.

The market for soybeans on the Chicago Board of Trade was dull. Following is a soybean price record, per bushel, for the week:—

	High	Low	Closing Dec. 18	Closing Dec. 11
Dec.	...	...	$1.70	$1.64¼
May	...	...	1.72⅛	1.69¾

San Francisco—December 16

Vegetable oil market quiet and firm. . .Castor, No. one.—17c. per pound, f.o.b. Pacific Coast, drums; dehydrated, unbodied, 20c.; bodied, 21c.

Coconut.—Quoted nominally 8c. per pound, crude, tankcars, f.o.b. Pacific Coast.

Sesame.—Crude 15c. per pound, tankcars, f.o.b. Pacific Coast.

Soybean.—Crude quoted 12.15c. per pound, tankcars, Coast mill. Eastern oil 12.65c.

Linseed Oil

The local market was stronger, influenced by a further rise in flaxseed prices.

Linseed Oil.—A further rise in flaxseed prices in Northwestern markets had a strengthening effect in the local market for linseed oil. Crushers advanced prices two points to the basis of 12.6c. to 12.8c. per pound for tankcars. Quotations on oil in drums ranged from 13c. to 13.8c. per pound, according to quantity, crushers having discontinued the practise recently adopted in some instances of quoting prices for drum shipments less five-tenths of a cent, plus the deposit still required for drums. In some quarters an increased demand for oil was noted prior to the advance but business fell off on the rise. There was a fair movement on unfilled contracts.

Minneapolis, Dec. 18.—Considerable more inquiry for linseed oil was stimulated by the advance in prices and prospects of an increase in flax loan and parity prices. Actual sales were better but the improvement was not particularly noteworthy. Shipping instructions better and mills still are operating at 100 percent of capacity. Conversion of eastern and some west coast mills to processing of soybeans leads to fears of a shortage of linseed oil.

Quotations on tankcar lots for delivery in No. 1 zone, 12.4c. per pound; No. 2 zone, 2c. more, and for No. 3 zone, 4c. more. Cooperage car lots quoted at 0.9c. ver tankcars, and warehouse lots 0.4c. over cooperage, all f.o.b. Minneapolis.

Shipments of oil in pounds were as follows:—

	1942	1941
This week	6,300,000	4,500,000
Since Sept. 1	73,200,000	67,880,000

San Francisco, Dec. 16.—Linseed oil, based on an advance in flaxseed, enjoyed an advance last week and the brisk demand of the previous period continued. Bookings were well into next year. Reports from growers indicate that flax acreage in the Imperial Valley may total around 140,000 acres or about 35 percent more than a year ago. Around 80 percent of the acreage has been seeded to date. Tanks, 12.7c.; drum carlots ex-mill, 13.1c.; drum lots, ex-warehouse, 13.5c.

London, Dec. 14.—Linseed oil, 46s. 6d. per cwt.

Linseed Meal.—Market here still bare of offerings. Quotations nominal.

Minneapolis, Dec. 18.—Virtually no fresh trade in linseed meal and no new feature to report. The trade is impatiently awaiting an OPA ruling on prices that will open up the market again. Shipping instructions are good and crushers have not a pound of meal in reserve. No quotations obtainable.

Shipments of meal in pounds were as follows:—

	1942	1941
This week	15,900,000	12,440,600
Since Sept. 1	178,110,000	152,162,000

Flaxseed

Domestic markets for flaxseed futures showed irregularity last week as a result of liquidation of speculative accounts, but in the main the trend was upward. Crushers and commission houses bought on setbacks. Receipts were still below expectations. Severe winter weather hampered the crop movement, but there was apparently still a disposition on the part of farmers to hold back shipments with a view of securing higher prices later on.

The crop in Argentina was estimated in the first official government report for the new season at 62,992,000 bushels against 66,929,000 bushels in the previous season and 57,480,000 bushels two years ago. Harvesting in that country is now progressing under favorable weather conditions.

Minneapolis, Dec. 18.—Flaxseed receipts dwindled slowly because of the announcement regarding the 1943 loan rate and also because of the possibility of the parity prices being raised. All of the December contracts were washed up this past week and total deliveries for the month ran up to 290,500 bushels. Much of the total represented re-deliveries.

Considerable interest was attached to flax futures. Insiders acting on advance information from Washington carried the market up to $2.60 for May futures and started to unload. Fresh buyers incited by strength in the market increased 1943 loan rates and possibilities of an advance in parity price took hold but above $2.65 ran into profit-taking that turned the market back into stop-loss selling orders. This resulted in a limit break on Monday but the decline did not go far because country shippers removed some of their hedges on the dip and apparently had

Current prices on animal, vegetable, and fish oils (under Oil), fats and greases (under Grease) are given in the alphabetical list of prices beginning on page 9

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no more to offer because of light farm sales. Crushers showed little interest above $2.50

The week's closing flaxseed price range was as follows:—

	Cash.	Dec.	May
Saturday	$2.64	$2.60	$2.64
Monday	2.59	2.54	2.58
Tuesday	2.61¼	2.56¼	2.60¼
Wednesday	2.63	2.57½	2.61½
Thursday	2.63½	2.56½	2.61½
Friday	2.65	2.57	2.62

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Crop movement in bushels follows:—

	Receipts 1942	Receipts 1941	Shipments 1942	Shipments 1941
This week	183,000	8,485	55,500	35,273
Since Sept. 1.	13,957,900	6,518,060	1,388,000	1,115,073

Buenos Aires, Dec. 18.—Flaxseed, $1.20¾ per bushel. Exports this week, 193,000 bushels, all to the Continent. Total since January 1 as follows:—

To—	Bushels This year.	Bushels Last year.
United States	9,211,000	21,633,000
Unted Kingdom	2,206,000	2,967,000
Continent	1,014,000	977,000
Orders	.....	.....
Others	150,000	1,466,000
Totals	12,581,000	27,043,000

Visible Supply

	Bushels.
Last week	37,402,000
Previous week	35,236,000
ast year	27,559,000

Hull, Dec. 18.—Flaxseed, Calcutta, £23 per ton; Bombay, £27½.

Cottonseed Oil

Refined cottonseed oil futures were dull and firm in the local market. Offerings of cottonseed products in Southern markets continued light.

Cottonseed Oil.—The attitude of traders was still a waiting one and the market was dull and featureless. The tone, however, remained firm. December expired at 14.45c. bid. A few December contracts were switched to March on even terms. The speculative account in the market continued to shrink, the open interest on December 16 being only 30 contracts. Crude oil remained firm in all parts of the South. With offerings scarce, few transactions were noted, although many bids at ceiling prices were reported.

The monthly cottonseed report from the Census Bureau showed that consumption of refined oil during November was sharply lower than in the previous month, the indicated takings for November being 321,685 barrels against 418,648 barrels in October and 183,105 barrels in November last year.

Consumption of refined oil during the first four months of the current season was 1,300,956 barrels against 1,003,712 barrels in the same time last season. The visible supply increased 274,100 barrels during November against an increase of 290,300 barrels in November last year. The visible at the close of November was 2,258,800 barrels against 2,104,000 barrels a year ago. Hog receipts were liberal, arrivals in the principal Western centers for four days of the week aggregating 423,500 head against 374,400 head in the same time last year.

The weight of the hogs received in Chicago during the week ended December 12 averaged 238 pounds against 236 pounds in the previous week. Stocks of lard in Chicago increased 2,429,550 pounds during the first half of December, making a total on December 15 of 10,077,688 pounds against 114,408,682 pounds a year ago.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from December 14 to December 18, inclusive, comprised 7 contracts. Following is a price record for the week:—

	Cents per pound in tanks High.	Low.	Close.
January	....	....	14.45 bid
May	....	....	14.45 bid

Cash, 13.95c.
Crude, Southeast, 12¾c.

Chicago, Dec. 18.—Cottonseed oil fairly active. Refined, edible oil, 16½c. to 17c. per pound, drums, car lots; 17c. to 17¼c., drums, less car lots.

Hull, Dec. 18.—Cottonseed oil, refined, 49s. per cwt.; crude, Egyptian, 39s. 7½d.

Cake and Meal.—The situation in primary markets continued to be featured by a good inquiry, light offerings and a firm tone.

Markets at Other Centers

Atlanta—December 16

Practically no change in cottonseed products during the past week. Dealers handling meal for fertilizers say both cottonseed meal and peanut meal are out of the market for them at ceiling prices which are now prevailing, and that only the feed trade is interested. Soybean meal, now being produced by Southern oil mills as milling-in-transit, has not reached large proportions. It is offered at $32 per ton, Decatur, Ill., basis.

Memphis—December 17

Trading in crude cottonseed, soybean and peanut oil continues light. All buyers interested at ceiling prices. Demand for cottonseed, peanut and soybean meal urgent at ceiling prices. Less than carlot demand absorbing daily production at many mill points. Cotton crop closely gathered in this section. Closing cottonseed meal quotations on Memphis exchange were as follows:—

	Dec. 10	Dec. 17
January	$39.25@—	$39.25@—
March	38.75@—	39.00@—
May	38.50@—	38.50@—

Fatty Acids

Castor Oil.—Consumers of this fatty acid still in evidence as buyers of moderate lots to fill current needs.

Cottonseed Oil.—Fair movement of moderate quantities to local and outside consumers at stationary prices.

Linseed Oil.—Inquiry for this fatty acid stimulated to some extent by recent developments in raw material.

Red Oil.—Steady movement into consuming channels on contracts and new orders. Raw material supplies still below normal.

Stearic Acid.—Selling schedules generally held at previous levels. Business fairly active.

Chicago—December 18

Fatty acids are reported in good demand. Corn oil, double distilled, 14c. to 14¼c. per pound; tankcar, 14½c. to 14¾c., drums, car lots; coconut oil, distilled, 17½c. to 17¾c. per pound, tankcar; 18c. to 18¼c., drums, car lots; cottonseed oil, double distilled, 14c. to 14¼c. per pound, tankcar; 14½c. to 14¾c., drums, car lots; settled cottonseed soap stock, 60-62 percent basis, 3⅞c. to 4c.; boiled down soap stock, 65 percent basis, 4⅞c. to 5c.; cottonseed foots, 50 percent basis, 3½c. to 3¾c.

Fish Oils

Cod.—Inquiries noted but no transactions of importance as stocks here are comparatively light. Market remains firm.

Menhaden.—Nn additions to free supplies of crude oil, and local refined situation retains firm tone though buying limited to small lots.

Sardine.—Reports concerning crude production continue decidedly unfavorable in comparison with previous season, but consumers of refined oil still disinclined to purchase ahead.

Markets at Other Centers

Baltimore—December 16

Weather off North Carolina continues unfavorable for operations of the fishing fleet. Moreover, the government has recently taken no fewer than 22 vessels of one company leaving it perhaps with a scant dozen. The ceiling for oil is set at 8.9c. per pound, which buyers would be willing to pay, if they could get the oil. Inquiry for refined oil is good.

San Francisco—December 16

With the catch still light, further offerings of crude California sardine oil were along very restricted lines and trading was light. One report said a few tankcars were moved at the ceiling figure of 66.75c. per gallon, f.o.b. production point, and apparently there are numerous bids in the market at this figure. Production of oil in California is some 30 percent behind last year at this time. Most producers are unable to offer.

Fats and Greases

Grease.—Output apparently still being applied mainly on contracts previously placed, leaving little available on spot. Firm at ceiling prices.

Lard.—Cash inquiries reported more numerous locally, but transactions generally limited to comparatively small or moderate lots.

Tallow.—Numerous inquiries reported here, but little available on spot as contract deliveries continue to absorb bulk of production. Similar conditions reported in outside markets. Ceiling prices still prevail everywhere.

Chicago, Dec. 18.—Business is fairly active in fats and greases. Choice white grease, 8⅞c. per pound; oleo stearin, 10.61c.; inedible tallow, prime, 8⅝c. Following is a lard price record, per 100 pounds, for the week:—

	High	Low	Closing Dec. 18	Closing Dec. 11
Cash	....	....	$13.80	$13.80
Dec.	....	....	13.80	13.80
May	....	....	13.80	13.80

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Animal Oils

Lard.—All grades moving into consuming channels steadily on contracts and new orders. Market firm.

Neatsfoot.—Local situation still featured by a good inquiry and a firm tone. Stocks among buyers as well as sellers apparently light.

Tallow.—Fair inquiry for moderate quantities. Market firm with basic material.

Chicago, Dec. 18.—Lard oil, No. 1, 14½c. per pound; oleo oil, 14c. to 14¼c.; tallow oil, acidless, 15c. per pound.

Waxes

News that several ships carrying carnauba wax have left Brazilian ports was very good news, and about the only good news, in the wax market last week. This wax will move from dock to consumer on arrival here, and it is unlikely that much wax will be left importers for warehousing after contract commitments have been met. Beeswax remained in very tight position, with spot ceiling prices being low compared with the cost of crude wax abroad. Candelilla was in low supply, and Mexico's failure to ship here may mean the loss of a good market if carnauba wax continues to get here from Brazil.

72d—OPD—Year

Cal-Vitamin Corporation has been organized in Los Angeles county, Calif., with a capital of $24,000.

National Wax Refining Co. Bought by Frank W. Clarke

Controlling interest in the National Wax Refining Company, 4415 Third avenue, Brooklyn, N. Y., has been nauba wax. Mr. Clark's experience company specializes in the manufacture of synthetic beeswax and carnauba wax. Mr. Clarke's experience with waxes dates back to 1920. The company has just issued a booklet entitled "Dependable Waxes for Industry."

72d—OPD—Year

Cottonseed, Peanut Oils Export Ban Asked

—Continued from page 7

committee reported on the demands for these fats and oils by the countries covered by Board of Economic Warfare export licenses.

Investigation by another subcommittee of the possibility of greater use of fish and linseed oils in edible products resulted in the opinion that sardine and herring oil full hydrogenated, or partially hydrogenated, can be used in combination with other oils to produce shortening.

Suggesting that no permits should be required for the shipment of fats and oils in tank cars, a subcommittee appointed to study the tankcar situation presented evidence that substantially more oil was handled this Fall with 30 percent fewer tankcars. Competition over a period of years has resulted in each refiner buying oil supplies in the territories nearest the refinery, with consideration for types and qualities.

Several new subcommittees were appointed at the meeting.

One will investigate the possibility of acidulating vegetable oil foods at all refineries in order to reduce the use of tankcars; a second the amount of lard and oleo stearin that can be used in the margarine program; a third what effect on the shortening industry would result from the placing of priorities on the hydrogenation of margarine oils; and a fourth the outlook for peanut oil production for this year.

72d—OPD—Year

Caustic soda will be produced in Algeria, using local salt deposits as raw material. This is one of several projects for the industrialization of French North Africa.

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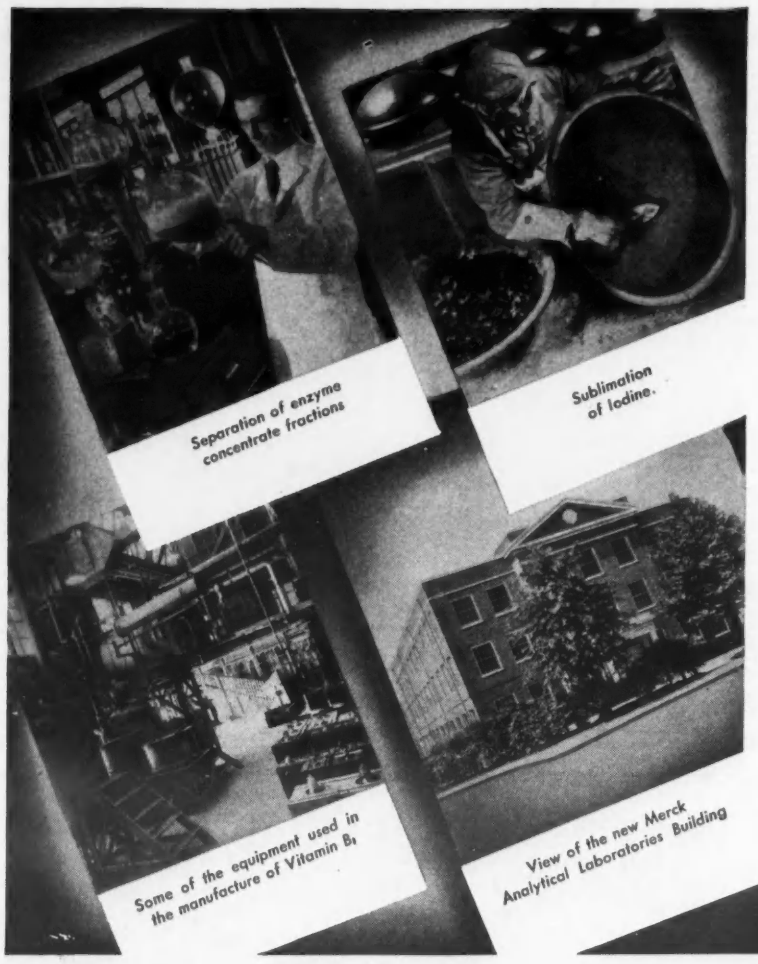
Our scientific staff and laboratories are prepared to serve you.

The illustrations below, made at the Merck plant in Rahway, N. J., are representative of the widespread activities of Merck & Co. Inc., in scientific research, modern production, and laboratory control of quality.


Separation of enzyme concentrate fractions
Sublimation of Iodine.
Some of the equipment used in the manufacture of Vitamin B1
View of the new Merck Analytical Laboratories Building

● **Pioneers in the Development of New Synthetic Chemicals.** Active in the manufacture of new synthetic chemicals ever since their therapeutic uses were demonstrated, Merck has played a prominent rôle in the development of this important line.

● **Original Large-Scale Producers of Many Fine Alkaloids.** The name Merck has been identified with the production of alkaloids and their salts for more than one hundred years.

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Drugs and Fine Chemicals

Ascorbic Acid and Sorbitol Under Complete Allocation — War Production Board Tightens Provisions of Its General Imports Order M-63—Citrate Scarcity Acute

Price movements were lacking in the market for drugs and fine chemicals last week. The rank and file of merchandise remained very firm and the outlook for continued firmness was reported to be excellent.

Events of the week, from the standpoint of controls stemming from the war effort, included the establishment of official allocation on ascorbic acid, by terms of General Preference Order M-269; sorbitol, a material used in the manufacture of this vitamin was also under allocation by the War Production Board. Also, the WPB restricted imports of molasses from Canada, Guatemala, Mexico, and El Salvador through its supplementary order M-63-a. Finally, WPB tightened its import control of strategic materials when it revised its General Imports Order M-63, as of December 28; under the terms of the revision, no person may import, without specific WPB authorization, any commodity listed in the M-63 order. Previously, this restriction applied only to List III materials in that order. Details on these WPB actions appear elsewhere in this issue. The Office of Price Administration took a week off so far as altering the price set-up of any materials in the drug and fine chemical market. Price Administrator Henderson resigned.

It was clear throughout the period that there is better than a fair chance that there will be less materials for civilian consumption in almost direct proportion to the probable expansion in the armed forces and lend-lease requirements. It was not suggested that supplies of drugs and fine chemicals for civilian manufacturers would drop acutely, but since it is practically impossible materially to increase production at this time, any enlargement of consumption by the army and navy, plus the lend-lease takings, must be supplied mainly from stocks ordinarily at the service of civilian requirements.

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
240.1	240.1	238.6	242.1

Market news that may have developed after this report was sent to press will be found on page 4.

Acetone.—Substantial interest in deliveries to be made after the turn of the year continued to keep the supply of this article fairly tight. There was very little surplus on the spot market.

Acid, Ascorbic.—Stocks of this article, and also future production, was put under allocation control when the War Production Board issued its General Preference Order M-269. Details appear elsewhere. Sorbitol, used in ascorbic manufacture, was recently put under allocation control.

Acid, Citric.—A firm market with demand somewhat curbed since the producers reduced December deliveries to half of those a year ago continued to be reported and the outlook failed to show signs of improvement next year.

Acid, Nicotinic.—Not a sign of recession in demand was noted, nor is there likely to be any at an early date. World needs are likely to be filled mainly out of United States production.

Acid, Tartaric.—It is not likely that raw material in North Africa will soon begin to flow to this country. First, the Huns and the Italians must be pushed out. Next, shipping space must be available for exports. Last, the price must be low enough to make business possible.

Agar.—Recent reports of a large accumulation of stocks on the Pacific Coast have been denied by the producer in San Diego, Calif. Details elsewhere.

Alcohol.—Strong, active, and expanding demand and requirements featured the market. National need for alcohol was never greater, and it is not certain now that all of the war program's requirements will be met without production being increased by some device not seen at the moment. Except for the total absorption of every gallon produced, the market lacked change save that its ability to absorb output is by no means near an end.

Aloe.—No surplus of supply is likely and the actual requirements of the country are likely to absorb offerings steadily and at full prices.

Aloin.—Very firm undertones were the rule, and demand held well despite the usual tendency of the call to drop with the approach of the year's end.

Ammonia Compounds. — Practically everything within the U.S.P. classification was subject to sustained demand and stocks were not the less suggestive of anything resembling a true surplus. Prices were strongly maintained.

Antipyrene.—More orders were in the market last week and volume was very good. Undertones were very firm and the outlook was good for the future.

Bismuth Metal and Salts.—Salts moved in fair volume but the producers were reported more or less anxious for more business. Time may come when diversion of metal to war uses may curb its consumption by makers of bismuth salts.

Borax.—New business was not especially to the fore last week but contract tenders were taken out with fair promptness and it appeared likely that consumption would rise with the turn of the year.

Bromine and Bromides.—Requirements of the nation during the next year are sure to run high and it seems likely that there will be a market for the total productive capacity of the country. To actually increase output will not be too easy.

Brucine. — Further importations have been reported but so far as known the material has yet to appear on the open market.

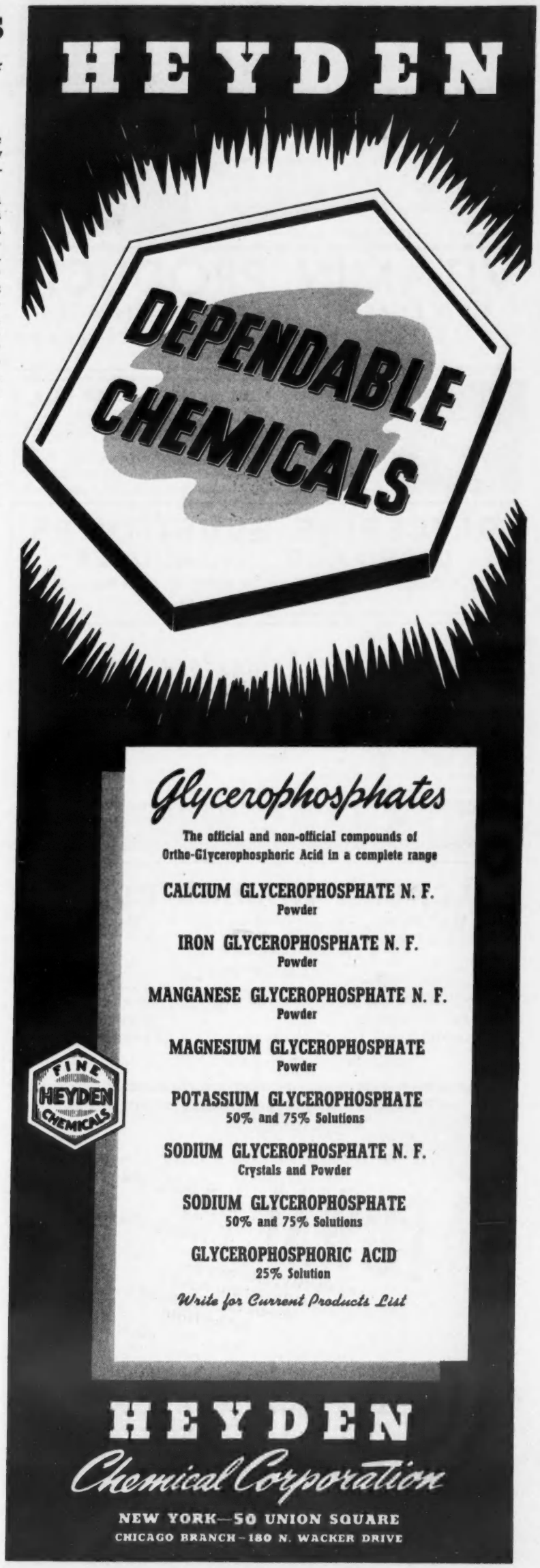
Caffeine. — Allocated but selling without the benefit of a dollars and cents price ceiling, the position of this material is fairly strange since months ago reports from Washington indicated that such a ceiling was all but ready for announcement. The leading makers have a low GMPR ceiling but some other sellers can go pretty high and still not exceed their March sales prices.

Calcium Gluconate.—Steady call was met by steady delivery and the market remained firm and well supported in all respects.

Camphor.—Although there is not much Japanese camphor left on this market, holding prices are such that only those whose need if very powerful will make them. Most consumers rely on the deliveries obtainable from makers of the synthetic material.

Castor Oil.—Reports of an arrival of castor beans, presumably from India, received with some scepticism.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 9



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Last known arrival was early in the year. The supply situation with regard to Brazilian is such that actual arrival of beans from India would find ready takers.

Chicago, Dec. 16.—Good call continues to be reported for castor oil, with orders still at good totals where buyers are able to make satisfactory arrangements. Inquiries reached good volume. Prices are:—Cold pressed, U.S.P., 14½c. per pound, returnable drums, car lots; 15¼c., drums, less than car lots; 12¾c., tanks; No. 3, extracted, 14½c. per pound, returnable drums, car lots; 15c., drums, less than car lots; 13½c., tanks.

Chloroform.—Producers report deliveries holding up well notwithstanding the tendency of some varieties of buyers to withdraw from the market for the balance of the year. Prices were very firm.

Cinchophen.—No surplus supply but also no shortage. Most buyers get prompt deliveries in quantities about equal to their actual needs.

Cocaine.—Medicinal needs of the armed forces being met promptly and in full measure. No material reduction in deliveries for civilians have been made as yet.

Corn Syrup.—Heavy demand now and heavy consumption with the turn of the year are a reasonable prospect. The market was strong but highly stable.

Cream of Tartar.—Reports indicate that actual requirements of most buyers are being filled in fair measure and with reasonable promptness.

Creosote.—Excellent demand but emphasizes the fact that supplies are less than normal and that the situation is fairly acute.

Ephedrine.—Weather highly seasonal for an increased consumption of this material prevails at the moment and the manufacturers of synthetic ephedrine did report an excellent movement throughout the past week.

Eserine.—Stocks were moderate yet appeared to be meeting the not especially heavy consuming request very well.

Fish Liver Oils.—It was apparent that the Federal government is to be the heaviest buyer of all fish liver vitamin oils and those with supplies expect such buyings to reach high levels.

San Francisco, Dec. 16.—The catch of shark off the Coast has been fairly large lately and the improvement in production noted a few weeks back continues. Meantime, operators report an improved market interest in fish liver oils and, along with substantial government purchases, private buying is at times fairly good.

Glycerin.—The roll-back of glycerin prices to prevail on all governmental purchases has gone into effect without disturbing the position of glycerin as it applies to other than Federal requirements. The roll-back is going to be costly to the producers but there is at least the satisfaction that war requirements will be secured at savings to the nation. The change was made because the government felt that the not large margin of profit on government business should not be as large as it was. It is significant, however, that future sales to the government will require that government provide its own transportation.

Chicago, Dec. 16.—Glycerin movement is moderate, with buyers and sellers still continuing to engage in considerable maneuvering brought on by conditions inherent in the general government-regulation and wartime situation. Considerable trade interest is evident. Prices for both chemically pure and high gravity are:—Tankcar, 18c. per pound; drums, car lots, 18¼c.; drums, less than car lots, 18¾c.

Iodine and Iodides.—Armed forces requirements keep a substantial amount of material ear-marked for Federal requirements. Civilian needs are little changed. Ss far as known, no important shortages exist.

Magnesia.—The group was firm in price and reasonably active as to demand. However, a shortening of requirements was in line with the usual situation prevailing at the close of each year.

Menthol.—Stocks of natural were very small and it would require but limited expansion in demand to wipe out holdings entirely. As things stand now, however, there is not a great deal of consumer interest being shown.

Mercurials.—Very firm in all respects as supplies of quicksilver coming from the mines show seasonal decrease. Fortunately, Federal requirements are well covered by the stockpile of metal created.

Milk powder.—Signs that lend-lease purchases are likely to increase are not lacking. Progress of the war suggests a huge export to foreign countries to come as the Axis is gradually pushed back.

Milk Sugar.—Real scarcity exists and some regular suppliers are unable to take new business at the present time. In some measure, prices are nominal.

Molasses.—Movement of this article into the United States from Canada, Guatemala, Mexico and El Salvador has been restricted by the War Production Board supplementary order M-63-a. Details elsewhere.

Potash Citrate.—The article is very scarce and conditions do not suggest an early improvement in supplies avilable for consumption.

Potash Permanganate.—Stocks in the hands of local suppliers were not too ample and the market was held to strong, but entirely stable position.

Quicksilver.—Reports indicate that production on the Pacific Coast has decreased because of adverse weather conditions. That is a situation common to production during the Winter months on the Pacific Coast. Fortunately, needs of the war program can be supplied from a substantial stockpile owned by the Federal government.

San Francisco, Dec. 16.—Quicksilver market here is steady with offerings light. Larger producers have sold very well ahead and as spots appear from smaller mines they are quickily taken up. Inquiry running at a good pace. Quoted at $192.50 per flask.

Quinine.—Less and less can reach civilians. Their needs must be supplied from other products such as totaquine which is official in the USP. Every ounce of quinine in the country is controlled by Federal authority.

Rice Bran.—In good request in keeping with the large interest shown in all vitamins.

Rochelle Salt.—Consumer needs being met very well. At the moment they are not particularly pressing. A substantial expansion of demand after the turn of the year might embarrass producers in the matter of making prompt deliveries.

Saccharin.—Active along lines common to the market for some time past and available in quantities no larger than supplies of raw material have dictated for an equal period of time.

Santonin.—Very firm in anticipation of a large consumption next Spring.

Silver Nitrate.—The attempt to pass legislation calculated to release huge silver stocks to industry died with the death of the seventy-seventh Congress. Another try will be made when the seventy-eighth convenes next January. The schedule of silver nitrate prices since the last report in 250-ounce quantities—500 ounces would cost ¼c. less—together with comparative prices on silver bullion in New York and London, was as follows:—

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	32⅝	44⅝	23⅛
Monday	32⅝	44⅝	23¼
Tuesday	32⅝	44⅝	23¼
Wednesday	32⅝	44⅝	23¼
Trursday	32⅝	44⅝	23¼
Friday	32⅝	44⅝	23¼

Soda Citrate.—The supply is short and so far as can be seen now it will remain short until something develops to increase raw materials for the manufacture of citric acid.

Soda Glycerophosphate.—More than the recent volume of jobbing business reached the market last week. The call was fairly broad and found the market very firm.

Soda Perborate.—National needs seem well cared for by the leading makers, and the market remains stabilized in very firm position.

Strychnine.—To date, manufacturers have coped with a difficult supply situation very well. The present trend of events would seem to indicate that raw material will continue to be forthcoming, though not easily nor in unlimited quantities.

Sulphadiazin.—The bulk price in 100-pounds drums is $13 per pound.

Sulphaguanidin.—Quoted in 100-pound drums at $5.50 per pound.

Tartar Emetic.—Not overly plentiful but still being supplied in quantities that permit no genuine need to go unsatisfied.

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Brown Company—*Chloroform*
Hawaiian Pineapple Co.—*Citric Acid*
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F.T.C. Authority On Labels Tested

—Continued from page 5

thority conferred upon the commission by Congress with the passage of the Wheeler-Lea amendments to the Federal trade commission act several years ago. The issue sought to be raised in the petition is whether the matter of labeling, heretofore regarded as solely within the province of the Food and Drug Administration, also is within the jurisdiction of the trade commission. The action also brings up the issue of the breadth of the commission's authority to regulate drug advertising.

According to the petition, the commission submitted with its notice a proposed stipulation agreement for signing by the company by which the company would have been required to admit (a) that excessive use of "Dr. Miles' Nervine" and "Dr. Miles' Nervine Tablets" may result in mental derangement of the user and (b) that excessive use of "Dr. Miles' Anti-Pain Pills" may cause collapse or dependency on the product.

The commission asked that these statements be contained in the labels of the products, the petition went on, in spite of the fact that the labels and packages already carry the precautionary statement to the user not to exceed recommended dosages and to discontinue use of the products if certain conditions appear. All the advertising matter, it was added, directs attention to these statements also.

The petition said that the action upon the part of the commission indicates its intention to assume jurisdiction over labeling of drug products, in express violation of the terms of the Federal Trade Commission Act and to require precautionary statements to be made beyond any required by the Food, Drug and Cosmetic Act.

The petition asked the court to render a declaratory judgment that:—

(a) The Federal Trade Commission has no right to determine the legality and validity of the language appearing on the labeling of the products.

(b) It has no right to force the company to vary the language on the labeling.

(c) The commission exceeded its authority in seeking to compel the company to include in its advertising the warnings demanded in the stipulation.

72d—OPD—Year

Ascorbic Acid Under Allocation

—Continued from page 3

imports ascorbic acid or has ascorbic acid produced for him pursuant to toll agreement.

"Distributor" means any person who purchases ascorbic acid solely for the purpose of resale without further processing and without changing the form thereof.

"Allocation month" means the period beginning on the 15th day of a calendar month and continuing through the 14th day of the calendar month following. The allocation month of January, for example, shall mean the period beginning January 15.

Ascorbic acid allocated for inventory shall not be used except as specially directed by the Director General for Operations. Ascorbic acid allocated to fill a specified order or class of orders shall, where and to the extent that such order or class of orders is subsequently cancelled, revert to inventory.

Exceptions

Specific authorization of the Director General for Operations shall not be required for:—

Acceptance of delivery by any person in any one allocation month of five ounces or less of ascorbic acid in the aggregate; provided that such person has not been specifically authorized or directed by the Director General for Operations to accept delivery of any quantity of such material during such month.

72d—OPD—Year

Fibre Tubes, Cans Put Under No. 187

—Continued from page 7

this group were established at that level. But for some of the manufacturers who had not signed the agreement, ceilings were fixed at higher levels since they had been selling at higher prices during March, 1942, base period under the general regulation.

Today's action places maximum prices of all the manufacturers at levels prevailing during October, 1941, thus removing the inequities.

72d—OPD—Year

Patch Co. Appoints Lawson General Manager

—Continued from page 7

Ralph R. Patch, who began active duty in the Office of Surgeon General December 14.

Mr. Lawson went to work for the E. L. Patch Company soon after he left high school. He was errand boy at the office, which was then in downtown Boston. After a short time as errand boy, he became a clerk in the office. Then for three years he traveled as outside salesman. Returning to the office he had various assignments until he became advertising manager. With the advertising work he became chairman of the committee having responsobility for purchasing and production. He is also a director, and serves as clerk of the corporation and secretary of the directors.

After graduating from Phillips Exeter, Edgar Patch majored in chemistry at Dartmouth, then graduated from Harvard Business School. After spending some time in the production department, he went out as a salesman. He spent five years as salesman and district salesmanager. He is a director of the company.

72d—OPD—Year

Gets Manpower Post

Ralph R. Patch, president of E. L. Patch Company, Stoneham, Mass., and a member of the executive committee of the American Drug Manufacturers Association, has been called to active duty in the army with the rank of lieutenant colonel. Mr. Patch has been assigned to the office of the Surgeon General and will handle manpower problems in the drug field. ..

Reginald V. Coghlan, former sales promotion manager for the Ethyl Corporation, has been appointed assistant general sales manager by the Beacon Chemical Corporation, Philadelphia.

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Bismuth Subsalicylate

(Additional uses — supplementary to information in the book, Uses and Applications of Chemicals and Related Materials—see bottom of column to the right)

Fungicide

Suggested for use as substitute for—
- Copper salts in controlling plant mildews (advocated used in suspension through the agency of sodium dioctylsulphosuccinate)

Diamylnaphthalene

Bituminous

Plastacizer for—
- Asphaltic materials

Chemical

Starting point in making—
- Organic chemicals useful as wetting agents in various industries

Fats, Oils, and Waxes

Coupling agent for—
- Vegetable oils

Petroleum

Coupling agent for—
- Mineral oils

Resins

Plasticizer for—
- Resins

Rubber

Softener in—
- Rubber compositions
- Synthetic elastic substances

Diethylaminoethanol Oxide

Chemical

Starting point (Brit. 437566 and 462881) in making—
- Products possessing strong capillary-active properties, by acylation in pyridin with lauryl chloride

---

Dipicrylamine

(Hexanitrodiphenylamine)

Analysis

Reagent offering following characteristics—
- Forms very difficulty soluble salts with—
  - Caesium
  - Rubidium
  - Potassium
- Forms very soluble salts with—
  - Calcium
  - Magnesium
  - Lithium
  - Sodium

Reagent recommended in the microdetermination of—
- Potassium (Winkel and Maas method)

Chemical

Reactant in—
- Organic syntheses

Lead Adipate

Chemical

Polymerizing agent (Brit. 451723) in making—
- Vinyl ester polymerization products characterized by improved resistance to heat or light

Leuco Malachite Green

(4:4'-Tetramethyldiaminotriphenylmethane)

Analysis

Reagent in determining—
- Gold (as little as .003 mg. may be determined colorimetrically in the presence of copper, the unknown solution being buffered with sodium acetate and acetic acid to pH 3.6, Kul'berg method)

Dye

As a dye

Miscellaneous

As a dye for various materials

Lithium Fluoride

(Fluorure de Lithine, Fluorure de Lithium, Fluoruro de Lithio, Fluoruro di Lithio, Lithiumfluorid)

Ceramic

Process material in making—
- Enamels

Chemical

Starting point (U.S. 1515001) in making—
- Lithium salts

Electrical

Process material (U.S. 1156696 and 1173005) in making—
- Arc-lamp electrode

Metallurgical

Flux in—
- Aluminum welding

Ingredient of—
- Fluxes used in the autogenous soldering of—
  - Aluminum
  - Magnesium

Process material (U.S. 1310449 and 1310450) in making—
- Magnesium

Purifier (U.S. 1387900) for—
- Aluminum-silicon alloy

Starting point (U.S. 1515001) in making—
- Lithium

Manganese Glycerophosphate

(Glicerofosfato de Manganesa, Glicerofosfato di Manganese, Glycerinphosphorsauresmangan, Glycerinphosphorsauresmangan Oxydul, Glycerophosphate de Manganese, Glycerophosphate Manganeux, Manganese Glycerinophosphate, Manganglycerophosphat, Mangani Glycerophosphas, Manganoglycerophosphat, Manganous Glycerinophophate, Manganous Glycerophosphate)

Pharmaceutical

In compounding and dispensing practice

Reported useful as—
- Nerve tonic

Reported useful in treating—
- Deficient nerve nutrition
- Nervous conditions
- Neurasthenia
- Phosphaturia

Molybdenum-Ammonium Phosphate Complex

(A complex salt conforming to the formula, 12 MoO_3 $(NH_4)_3$ PO_4)

Miscellaneous

Addition agent (Germ. 665462) to—
- Lacquer coatings for demonstrating temperature at given spots (for example, a varnish on an air-cooled combustion motor would permanently change to yellowish-black in spots where the temperature was 140° to 160°C.)

Temperature indicator (Germ. 665462) offering—
- Permanent color change to yellowish-black at 140° to 160°C.

Nonaethyleneglycol Hexaricinoleate

Chemical

Suggested as emulsifying agent in making—
- Emulsions and dispersons of various chemicals
- Emulsions of hydrocarbons of various groups of the aliphatic and aromatic series
- Wetting compositions

Cosmetic

Suggested as emulsifying agent in making—
- Creams
- Latherless shaving creams
- Lotions
- Shampoos
- Various perfume and cosmetic preparations

Disinfectant

Suggested as emulsifying agent in making—
- Germicides and deodorizing preparations

Dye

Suggested as emulsifying agent in making—
- Color lake preparations
- Dye preparations

Fats, Oils, and Waxes

Suggested as emulsifying agent in making—
- Boring oils
- Drilling oils
- Emulsions of natural or artificial waxes
- Emulsions of various animal and vegetable fats and oils
- Greasing compositions
- Lubricating compositions containing vegetable or animal fats and oils
- Wetting compositions containing oils
- Wire-drawing oils

Ink

Suggested as emulsifying agent in making—
- Printing inks
- Writing inks

Insecticide

Suggested as emulsifying agent in making—
- Insecticidal preparations
- Vermin exterminators

Leather

Suggested as emulsifying agent in making—
- Dressing compositions containing various substances, such as shellac, gums, resins, fats and oils
- Fat-liquoring baths
- Finishing compositions containing neatsfoot oil or other oils
- Waterproofing compositions

Miscellaneous

Suggested as emulsifying agent in making—
- Automobile polishes
- Cleansing compositions containing soaps
- Compositions for cleansing paint and metal surfaces
- Degreasing and greasing compositions
- Detersive and scouring compositions
- Furniture polishes
- Metal polishes
- Scouring compositions for woodwork, linoleum, rugs, and the like
- Shoe creams and polishes
- Waterproofing compositions for treating various fibrous and other compositions

Oilcloth and Linoleum

Suggested as emulsifying agent in making—
- Coating compositions

Paint, Varnish, and Lacquer

Suggested as emulsifying agent in making—
- Asphaltic paints and varnishes
- Emulsified paints and varnishes
- Pigment emulsions
- Shellac emulsions
- Waterproofing compositions

Paper

Suggested as emulsifying agent in making—
- Preparations used in the treatment of paper and pulp products
- Sizing compositions containing rosin, casein, starches, and the like
- Waterproofing compositions
- Waxing compositions

Petroleum

Suggested as emulsifying agent in making—
- Cutting oils for lathe and screw-press work
- Emulsions containing petroleum or heavy petroleum distillates
- Kerosene emulsions
- Naphtha emulsions
- Soluble greases
- Soluble oils for lubricating textile machinery
- Various emulsified textile oils

Resins

Suggested as emulsifying agent in making—
- Preparations of natural or artificial resins

Rubber

Suggested as emulsifying agent in making—
- Rubber compositions in emulsified form
- Special emulsified preparations used for coating, protecting, decorating, and other surface-treating of rubber articles

Soap

Suggested as emulsifying agent in making—
- Cleansing compositions
- Hand-cleansing compositions
- Scouring compositions

Stone

Suggested as emulsifying agent in making—
- Compositions for treating natural and artificial stone

Textile

Dyeing

Ingredient of—
- Dye baths in emulsified form (used as an assistant in dyeing various yarns and fabrics

Finishing

Suggested as emulsifying agent in making—
- Coating compositions
- Dressing compositions
- Finishing compositions
- Impregnating compositions
- Sizing compositions
- Washing compositions

Manufacturing

Suggested as emulsifying agent in making—
- Dispersons used for carbonizing of wool
- Dispersons used in fulling operations
- Dispersons used for degreasing raw wool
- Dispersons used for washing wool
- Mercerizing baths
- Milling compositions
- Oiling emulsions for treating fabrics
- Preparations for degumming silk
- Preparations for kier-boiling cotton
- Preparations for soaking silk
- Special lubricating compositions used in weaving, knitting, warping, and winding

Printing

Suggested as emulsifying agent in making—
- Printing pastes

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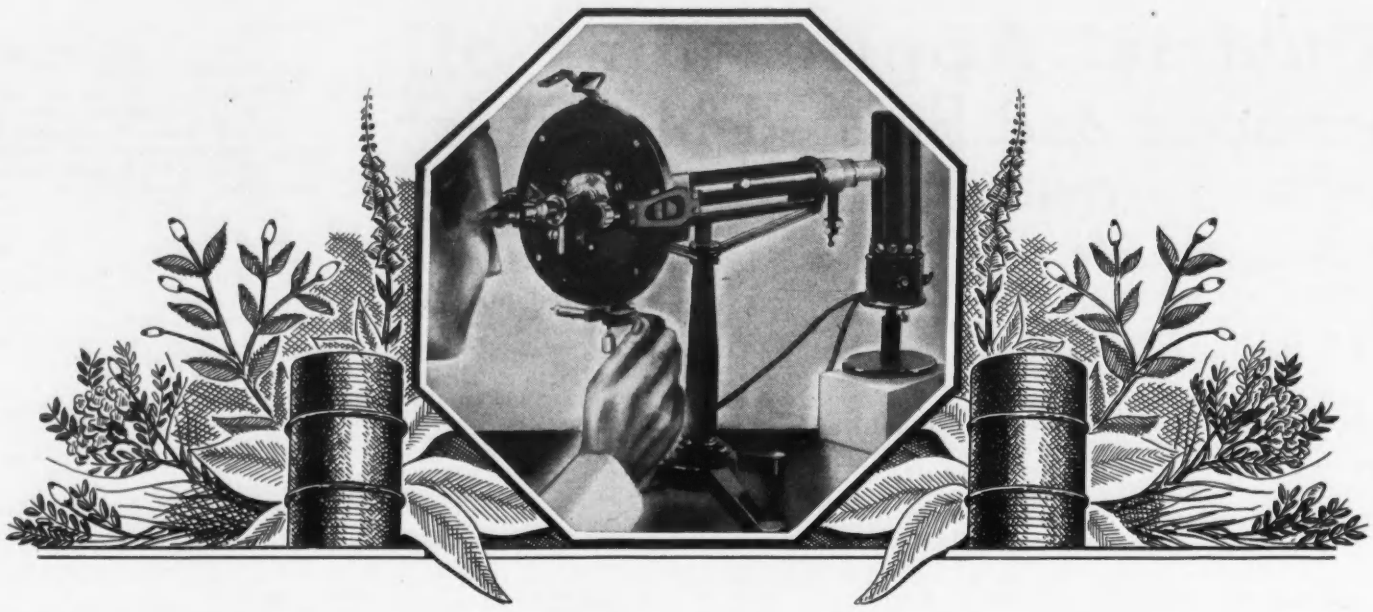

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THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Botanical Drugs, Spices and Gums

Botanical Drug Demand at Low Ebb — Reporter's Price Index Almost at Year's Low — In Part the Result of Price Program of the Industry

Close to the end of another year, the most momentous year through which any botanical market ever passed. Imports practically at an end, save by express authority of the War Production Board. Prices subject to all the even and uneven ministrations of the Office of Price Administration, actually effectuated or due to come.

And the year nears its end amid a quietness no greater than that governing trade at many previous year ends. But it may well be a misleading quietude since in this time of almost no demand there are signs and portents of things to come, ideas likely to stir things and events during the year about to be born.

The past year has had at least one symbol rarely in evidence in former years. Never, within the recollection of many in the botanical drug market, has there been a year in which the trend of prices had been almost continuously downward from the second quarter to New Year's Eve. And, in major commodities, that has been precisely the record for 1942. The high point of the year was reached in the second week in May, when the REPORTER'S Botanical Drug Price Index reached the all-time high of 325.7. In this, the next to the last week of 1942, that price index is down to 259.0, almost the lowest point reached.

The decline in the index number was not merely the result of off-hand supply and demand influences. Rather was it, in part at least, to be counted as part of a program through which the botonical drug trade sought to prevent out-of-hand price inflation. The success attained must mean much to those who consciously sought that end.

Balsams

Peru.—Quiet but very firm throughout the past week, this article showed no signs of an early change from its present position.

Tolu.—Demand was usually routine in character, though three transactions exceeded such proportions toward the end of the period.

Barks

Angostura.—Plenty of bark was in this market and but few orders appeared during the past week. Prices remained free from quotable change.

Black Haw.—A gain in jobbing sales but no signs of larger activity prevailed on transactions involving both root and tree bark last week. Prices remained very steady.

Cascara Sagrada.—The market held very firm at the source and certainly lacked unsettlement or even potential change from the recently very steady spot position. Sellers were disposed to be reserved pending possible OPA price developments.

Cocilana.—Interest of seasonal sort was noted, but real expansion in manufacturers' requirements was expected to hold over until the turn of the year.

Elm.—Jobbing movement was very fair in size, and business was done on the basis of unchanging prices. The reserve was believed to be adequate.

Sassafras.—Signs of a trade revival after January 1 were not lacking. Some business for January billing was done during the past week at currently prevailing quotations.

Wild Cherry.—Should do better with the turn of the year, and consumers will find prices low and very close to normal position.

Beans

Tonka.—The route from Brazil is not overlong, but the number of ships available for loading tonka beans is woefully short. No surplus of supply is possible under present conditions.

Vanilla.—The island of Madagascar has been turned over officially to the Fighting French under de Gaulle, the action being British recognition of the de Gaullists and, possibly, a slap at Admiral Darlan, Chief of State in North Africa. Just what this means in terms of getting needed vanilla beans from Madagascar to the United States remains to be developed, but at this writing a major movement of stocks seems not to be in sight.

Price Changes

Advanced

Allspice, Mexican, ½c. per lb.
Caraway seed, Dutch, 3c. per lb.
Colocynth pulp, 5c. per lb.
Canary seed, Argentine, ½c. per lb.
Cumin seed, Indian, ¼c. per lb.
Clove, Zanzibar, ¼c. per lb.
Ginger, Cochin, unbleached, 1c. per lb.
Calicut, 1c. per lb.
Marjoram, Chilean, 1c. per lb.
Nutmeg, West Indan, 1c. per lb.
Pepper, white, Java Muntok, ½c. per lb.
red, chilies, Mombassa, 1c. per lb.
Rapeseed, Argentine, ⅝c. per lb.

Reduced

Belladonna leaves, 5c. per lb.
Caraway seed, Morocco, 17c. per lb.
Celery seed, Indian, 1c. per lb.
Cumin seed, Morocco, ⅝c. per lb.
Persian, ½c. per lb.
Cassia, Saigon, all medium, 1c. per lb.
all thin, 1c. per lb.
Fennel seed, Indian, ½c. per lb.
Laurel leaves, Cyprus, 3½c. per lb.
Marjoram, Chilean, in transit, 3½c. per lb.
Oregano herb, Mexican, ¼c. per lb.
Orris root, African, 35c. per lb.
Pimento, Jamaica, 3½c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
259.0	259.4	258.5	317.8

Market news that may have developed after this report was sent to press will be found on page 4.

Berries

Saw Palmetto.—Very dull at the moment but apparently steady in price on spot. Considerable doubt exists regarding sufficient labor being available for berry collection. However, the palms will still bear them and, probably, at a price, some may be found to collect a supply.

Sumac.—A quiet to dull market prevailed. Stocks in reserve covered all probable needs of the immediate future.

Flowers

Borage.—Not much available on spot and some have very low price ceilings. The demand was very small.

Calendula.—Ceilings are generally high and stocks have never been so low. Also, demand was about nil. The situation is generally a stand-off.

Chamomile.—It is believed that actual needs will be granted shipping space, but close calculation of requirements will probably be required of importers.

Elder.—The domestic collectors did well on a tough job and laid in a fair reserve at prices not too high. The movement this week was strictly jobbing.

Mullein.—The market was not overly well stocked, but no pressing need

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 9

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- √ BALSAM PERU
- √ BALSAM TOLU
- √ BELLADONNA
- √ BENZOIN GUM
- √ BOLDO LEAVES
- √ BUCHU
- √ CELERY SEED
- √ CHAMOMILES
- √ CINCHONA BARK
- √ COCILLANA
- √ CORIANDER
- √ CORN SILK
- √ DANDELION
- √ ERGOT
- √ FENNEL SEED
- √ FOENUGREEK
- √ GENTIAN ROOT
- √ GINGER
- √ GUM ARABIC (all kinds)
- √ HELLEBORE RT. White
- √ HENBANE
- √ HOREHOUND
- √ IPECAC
- √ IRISH MOSS
- √ JUNIPER BERRIES
- √ KOLA NUTS
- √ LAUREL LEAVES
- √ LAVENDER FLOWERS
- √ MARJORAM
- √ OLIBANUM GUM
- √ ORANGE PEEL
- √ PAPAIN
- √ PEPPERMINT
- √ PSYLLIUM SEED
- √ QUINCE SEED
- √ RHUBARB ROOT
- √ ROSEMARY
- √ SAGE
- √ SARSAPARILLA
- √ SENNA LEAVES & PODS
- √ SQUILL ROOT
- √ STRAMONIUM
- √ STROPHANTHUS SEED
- √ THYME LEAVES
- √ UVA URSI
- √ VALERIAN
- √ WHITE SQUILLS

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SANTONINE

would go unfilled, and at fairly reasonable prices, too.

Rosemary.—It may well be that ultimately some replacements may reach this market, but the prices suggested as likely to be paid at the source are no bargain.

Safflower.—Steamer space awaits on reopening of the Mediterranean and resumption of commerce with the source. Large replacement is unlikely.

Saffron.—Spanish material continued in over-supply and definitely subject to severe competition that not all dealers were disposed to meet. No surplus of Mexican flowers existed here.

Gums

Arabic.—Attempts to work prices higher have not been too successful. Despite the talk, there seems to be plenty of sorts around at 14½c. per pound, and those so quoting fail also to report substantial business.

Asafetida.—Firm in undertone, this gum lacks more than jobbing request at the moment and the available supply was well up to current requirements.

Benzoin.—Very firm but subject to an irregular request that left not a trace on the extremely steady prices prevailing for a long period of time.

Camphor.—Synthetic continued to move in excellent volume, mainly for definitely essential purposes directly or indirectly hooked to the war program.

Chicle.—No further imports from Guatemala, Mexico, and El Salvador without specific WPB authorization. Details elsewhere.

Guaiac.—Stocked moderately on spot, the more pressing needs of a limited number of manufacturing consumers were met promptly last week but on the basis of fully maintained quotations. There was practically no competition.

Miscellaneous

Colocynth Pulp.—More demand developed a stronger market trend and by the end of the week quotations were at $1.15 per pound minimum in leading quarters.

Ergot.—Very dull at the moment. Consignment agents inclined to carve something from going prices. Regular dealers stand pat. Prices range $1.25 to $1.75 per pound according to seller—a plenty wide price range.

Grains of Paradise.—Several transactions along jobbing lines confirmed market as recently quoted.

Kola Nuts.—Some have high and some have low ceilings, which makes the market range 8c. to 11c. per pound according to seller.

Lycopodium.—Not a stir in the local market, where most dealers report either none or very small supplies. Certain qualities still available in New England, same being domestic growth.

Herbs and Leaves

Aconite.—A quiet market reported at firm prices which are high compared with normal values on the item.

Belladonna.—The market ranged $1.75 to $1.85 per pound, with not all dealers openly quoting the minimum figures, but with most holders willing to at least consider reasonable bids.

Damiana.—Business done by those with low ceilings confirmed values recently noted on the spot. It was small business done at what was probably less than replacement cost.

Digitalis.—Not much activity, but the market continued to show price stability with reserves in very good shape being well distributed.

Laurel.—Cyprus down to 34½c. to 35c. per pound. Other varieties showed no change.

Marjoram.—Chilean slightly higher at 45c. to 46c. per pound for spot goods but a fraction lower on material in transit.

Oregano.—Mexican material a small fraction cheaper at 15¼c. to 15¾c. per pound.

Sage.—Comparatively quiet but exceptionally steady so far as prices on goods of domestic origin were concerned.

Thyme.—Spanish material sold at a fractional advance to 25½c. to 26c. per pound and under competitive circumstances.

—*Continued on page* 62

CRUDE DRUGS

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TRADE MARK

Mistletoe Greetings To Ye Gentry

Mistletoe, symbol of love to the Scandinavians, is the herb of Christmas greetings in the United States.

In the spirit of the mistletoe, Peek & Velsor sends greetings of the season to all. It asks fortitude for those with loved ones in the armed forces, a strong arm for those who fight our war, and offers this prayer—That the blessing of the Almighty rest upon our people.

Essential Oils, Aromatic Chemicals

Price Shading Noted on Cedarleaf and Grapefruit Oils—Low Inventories a Certainty—Buying Drops Due to Seasonal Influences—Extreme Price Ranges Prevail

To the general lack of substantial market activity that had featured essential oils for a substantial period of time, there was added last week the natural tendency toward contraction of demand during the final weeks of the year. With inventory afoot, manufacturing consumers showed a tendency to withdraw from buying except to the extent that they could purchase on the basis of a January 1 billing.

Taking stock will not be much of a job with the essential oil dealers this year. Their reserves probably have rarely been so low as they are at the present time, and restocking throughout the year has not been in a volume that would tend to make much change in available supplies. In fact, the trend of stocks was almost exclusively downward.

Considerable comment was heard last week regarding the fact that some suppliers have been caught with very low ceilings—low as compared with ceilings available to competitors of the same importance in the trade. And it was clear from the comment that relief from low ceilings would be a welcome New Year gift from the Office of Price Administration. Low ceilings have caused makers of some distilled oils to abandon production. Mace and nutmeg are excellent examples. Yet OPA has shown little stomach for actual consumer-price rises, however much actual production might justify such a move.

The week closed with the prices of the leading suppliers generally firm. Certainly, there was no attempt to reduce inventories—a way in which the market this year differs from that in normal times.

Price Changes

Advanced

Citronella, Java, 5c. per lb.
Spearmint, 5c. per lb.

Reduced

Cedarleaf, USP, 5c. per lb.
Grapefruit, 5c. per lb.
Lemongrass, 15c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
277.3	277.7	278.5	274.6

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—Local dealers reported steadier market condition on sweet oil, though they also indicated that the current movement to buyers was very light. Stocks were in fair shape. Bitter USP oil is reported unobtainable in most quarters. Yet there is a range of $3.50 to $6 per pound noted

Anise.—Business was mainly on a hand-to-mouth basis and total volume of sales was small. The market's basic undertones appeared to be firm, mainly because oil of normal quality was not overly plentiful.

Apricot Kernel.—In a week normally one of small demand, reports indicated a better than fair movement into consumption, volume being built of a substantial number of small requests.

Bay.—Replacement is slow, small, and obtained only at costs that tend to raise import costs of this material. Reserves on spot were conservative.

Bergamot.—Numerous houses are reported quoting on the material but brokers indicate that attempts to buy genuine Italian oil usually fail. Quotations turn up over the range $32 to $35 per pound. There is some Brazilian oil available on spot but it is far from the characteristics of the Italian product.

Birchtar.—Most sellers lack supplies. A little crude was reported available over the range $1.80 to $2 per pound with but two houses quoting.

Bois de Rose.—As low as $4.50 per pound was quoted and as high as $5.75 per pound was reported obtained.

Camphor.—Sassafrassy still quoted though headquarters report practically nothing available. Ranging 45c. to 55c. per pound. White, 30c. to 48c. Some domestic of technical description noted at 15c. per pound.

Cananga.—Native as low at $13 per pound was noted but the backbone of the market make it $15 inside.

Caraway.—The market ranges $14.65 per pound to $17.50 and few have more that a moderate quantity.

Cardamom.—Ranging widely at $24 to $35 per pound and small stocks tended to make the largest holders refuse to shade.

Cassia.—Quoted $10.25 per pound in one quarter alone. Others name from $10.50 to $11.50 per pound and headquarter houses report little if any available at any price.

Cedarleaf.—Slightly lower at $1.10 per pound for the USP oil. Ranges to $1.40 per pound as to seller.

Cinnamon.—Bark oil quoted low as $25 per pound and sold high as $35 during the past week. Leaf oil was without development.

Citronella. — Ceylon apparently somewhat steadier. At least the downward drift of prices has ceased. Demand was very dull.

Clove.—A steady to firm spot position was reported last week although immediate demand was repressed, probably by seasonal influences.

Cubeb.—If one has a low ceiling, the quotation is $4.50 per pound. Others are able to command upwards of $6.50 where ceilings permit.

Cumin.—The market ranges $5 to $10 per pound. To some extent ceiling restrictions account for the inside position.

Dill.—Steady to firm but not subject to much more than jobbing interest so far as the main manufacturing consumers were concerned.

Fennel.—Believe it or not, one spot seller makes the market as low as $3.35 per pound, contrasting with views usually ranging $4.20 to $4.50 with some prominent quarters reporting no stocks.

Grapefruit. — The market was slightly lower at a minimum of $1.85 per pound, quoted by one seller alone. Others' prices range as high as $2.05 per pound. The Agricultural Marketing Administration asks bids for the purchase of 20,000 pounds. Opening date, December 28. Purchases will be made not later than December 31 from Pacific, Southern, New England, or Great Lakes region only.

Juniper.—Although Italian oil has been practically clear of this market for months, and although the principal producer of oil from American juniper berries reports a production cost minimum at $12, quotations on the spot market develop over the range $9 to $16 per pound.

Lavender.—Spike oil appears to be in more competitive position if open market quotations be a criterion. A range of $3.95 to $6.75 per pound is

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 9

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noted locally. Flower oil was in low supply and no house had a complete line of oil on the basis of various ester contents.

Lemon.—Apparently very steady at the moment without there being too much consumer interest in prompt deliveries. Domestic production gets the bulk of inquiry and agents of the producers report a steady position.

Lemongrass. — Some domestic oil was reported available as low as $1.30 per pound and oil from nearby points was as high as $1.90 per pound.

Lime.—Although Jamaica expressed oil is supposed to be very lightly stocked with the bulk of production being exported to London, spot quotations as low as $11 per pound are noted, though the range is to $13.50 per pound with few houses entertaining business under $12.50.

Mace.—The inside price of $4.50 per pound is one established arbitrarily by ceiling restrictions. There are sellers free from such limitations that report business at upwards of $6.50 per pound.

Nutmeg. — See report on Mace, above.

Orange. — A quiet but extremely competitive market was reported with stocks ample, all kinds being considered.

Pimento.—The fact that there is a price as low as $4.75 per pound on leaf oil is accounted for by the ceiling restrictions laid on the quoter. Others report prices upwards of $5.25 per pound and brokers confirm having to pay that figure for prompt deliveries.

Aromatic Chemicals

Acetophenone. — The market was not very active last week, but it was notable for lack of competition and the substantial reserve displayed by most sellers.

Amyl Salicylate.—Steady to firm, but moving only in jobbing volume at the moment.

Benzaldehyde. — The market was unquestionably firm, mainly because of the absence of normal production. Output is controlled by the moderate quantities of benzol alloted to the producers.

Benzyl Compounds. — Production remained conservative in line with the availability of raw material, which was not equal to the requirements of producers in terms of the business they could do in the compounds.

Coumarin. — Deliveries were reasonably prompt, but new buyers found it difficult to place contracts with some producers. Stocks available in resale quarters were conservative.

Diphenyl Oxide.—Very firm and selling well, considering the fact that this is the slow season of the year.

Ethyl Cinnamate. — Business was mainly jobbing in variety but the market held none the less firm.

Eucalyptol. — Very firm with the price controlled for the most part by ceiling limitations.

Geranyl Acetate.—Ceilings tend to keep values on the low side. The market was rather quiet throughout the past week.

Heliotropine. — Steady to firm in the absence of normal stock reserves and the presence of very good consumer interest.

Rose.—Not an ounce has come here for many months and many former suppliers report lack of supplies and a market around $30 to $35 per ounce for sound merchandise. As low as $15.50 per ounce was quoted in one direction last week.

Spearmint.—The country price has been $2.95 to $3 per pound for some time, yet spot goods were quoted as low as $3 per pound last week. The majority of prices were around $3.10 and $3.15, but high as $3.40 was noted.

Sweet Birch.—Wide price differences prevailed on Southern oil; the range was $2.50 to $4.75 as to seller. Northern oil ranged $4.75 to $5.75 without there being many making the inside figure.

Tansy.—As low as $3 and as high as $3.85 seemed to miss the spot market on this rather dull oil.

Vetiver.—Some make Java oil between $25 and $29 per pound. Others report nothing under $38 and still others make $40 inside.

Wormseed.—A steady but not very active market prevailed at unchanged quotations.

Essential Oils Production In Western Hemisphere

—Continued from page 7

many, and Hungary, but for the past few years we have become independent of this oil which is so important in the flavoring of foods.

In the course of years, a corresponding evolution will probably take place also with other oils which so far have been produced in faroff corners of more primitive countries. Here and there, even in remote regions, more advanced methods of production ,especially of distillation, were introduced with a resulting steady improvement of the quality of the oils. Fritzsche Brothers has contributed to this progress by extensive field research work, its experts visiting practically every growing region of the world, studying the old methods of production, teaching ways of improvement, and generally trying to raise the standard of quality.

(To be continued)

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Petroleum Products

Inadequacy of Northward and Eastward Flow of Crude Oil Hampering Refiners, East and West, in Filling All Orders For Solvents, Diluents and Gases

With the war industries obtaining first claim on their current output and stocks, and with the orders from normal trade consumers pouring in upon them in an ever-widening stream, producers of petroleum chemicals in the East and Central West are experiencing increasing difficulties in obtaining enough crude oil from the Mid-Continent and Southwestern fields to amplify their production sufficiently to meet the constantly mounting requirements of both these classes of consumers in their entirety. The pressure of these demands upon the refineries in these sections is becoming particularly heavy in the high-solvency, aromatic and other naphtha solvents and diluents, the liquefied gases and other light hydrocarbons, paraffins and other petroleum waxes. As the refiners are naturally giving preference and priority to the demands of suppliers of our armed forces and authorized war industries, there is little left for non-essential users of these lines, who, in many instances, have been unable to obtain more than 60 to 75 percent of their needs.

There has been no improvement in the eastward flow of crude petroleum, despite the combined efforts of OPC and ODT to amplify shipments by rail and rush to completion the long-promised but frequently delayed pipeline from Longview, Texas, to Norris City, Illinois, whose actual operation is now likely to be held up by pumping equipment trouble until February or longer. There has been a further drop in crude petroleum's average daily production rate within the last week.

While the new Petroleum Administrator for War has recently taken steps to clinch his control of materials needed in oil well drilling and transportation, he has not yet been able to impress upon OPA the need for permitting an advance in prices of crude oil as an incentive for more extensive exploration, drilling and development of new fields, which the Congressional committee investigating the national defense program has deemed needful "in order to provide an adequate continuous supply of crude oil, from which the necessary quantities of petroleum products required for war, essential industrial and civilian activities can be manufactured."

Solvents and Diluents

Aromatic Solvents.—Increasing difficulty is now reported by all suppliers of these materials in meeting all requirements of the armed forces and war industries authorized to buy the allocated numbers. These producing interests and their agents also record a steadily increasing demand for the numbers with average distillation points slightly higher than 330 degree and recently devised substitutes of similar character as well as for the aliphatics from consumers unable to obtain the necessary authorization to use the allocated solvents. Market tone continues extremely strong.

Cleaners' Naphtha.—Still in limited supply, inadequate for filling all proffered orders. Prices firmly held.

Lacquer Diluent.—Continues in brisk request and comparatively light supply. Prices strongly maintained.

Mineral Spirit.—Demand constantly rising. Supplies only fair-sized. Tone firm.

Rubber Solvent.—Expansion of the rubber reclamation program is driving more consumers into the market, with the result that stocks are being gradually lowered. Prices strongly held.

V. M. & P. Naphtha.—Paint interests are taking all they can get from the residue not absorbed by the war industries. Market tone holding very strong.

Markets at Other Centers

Chicago—December 8

Aromatic Solvents.—Extremely good call, market firm.
Cleaners' Naphtha.—Active interest, prices firm.
Lacquer Diluent.—Buyers show interest, prices strong.
Mineral Spirit.—Buying reported good, market holding.
Rubber Solvent.—Trade buying well, with quotations holding firm.
Stoddard Solvent.—Active interest noted, with no price change.
V. M. & P. Naphtha.—Inquiry brisk, market stiff.

San Francisco—December 18

Aromatic Naphthas.—Demand continues very active, with war demands especially notable.
Lacquer Diluent.—In brisk call.
Rubber Solvent.—Increasing interest for special type with which to process reclaimed rubber, according to major producer on Coast.
Stoddard Solvent.—Continues very active.
V. M. & P. Naphthas.—Increasing demand lately.

Tulsa—December 18

Solvents and diluents are in steadily increasing demand, with war industries receiving the preference in the doling out of supplies and civilian users forced to content themselves with whatever they get out of the quantities remaining. Scarcity of tankcars is hampering selling operations, as suppliers cannot promise the requisite deliveries because of their inability to secure adequate accommodations in all instances.

V. M. & P. Naphtha.—Although war production contractors are obtaining the bulk of the current offerings, the paint industry is, nevertheless, procuring a fair amount of this material. But much more could be sold if it were available. Prices well maintained.

Price Changes

Advanced

Crude petroleum, Western Ontario, Canada, 25c. per bbl.
Gasoline, 63-66 octane, tanks, North Texas, ⅛c. to ¼c. per gal.

Reduced

Fuel oil, No. 1, tanks, Kansas, 0.2c. per gal.
Kerosene, 42-44 waterwhite, tanks, Kansas, 0.1c. per gal.
Lubricating oil, neutral, 150 and 200 viscosity, 15 pour test, in tanks, Western Pennsylvania, 1c. to 1.5c. per gal.

Market news that may have developed after this report was sent to press will be found on page 4.

Liquefied Gas Sales Up 300,000% In 20 Years

As 1942 draws to a close, fairly accurate computations are being made on this year's production and sales of numerous petroleum products and of their relationship to those of other years extending back a decade or two. Judging from all present indications, this will be a record year for both output and sales in several of these derivatives of petroleum.

Leading all the others on these scores are the light hydrocarbon products known as liquefied gases, the total production and sales of which have run well over 600,000,000 gallons, equivalent to 120,000,000,000 cubic feet of manufactured gas, within the last twelve months.

Earliest available statistics on the output and sales of these gases are those for 1922. For that entire year, only 200,000 gallons of these petroleum gases were created and sold, chiefly in the form of propane, then used largely for home cooking in Eastern States.

This year's output and sales of these gases, therefore, are three thousand times greater than those of twenty years ago—an increase of 300,000 percent in two decades.

Lighter Fractions

Butane.—Lack of adequate shipping facilities in the Middle West and Gulf areas is restricting the volume of business currently being transacted in this liquefied gas material throughout these regions. While a majority of the leading producers in the East are likewise having trouble filling all requirements, this is chiefly because of the inadequacy of the flow of crude petroleum and natural gas eastward. Some suppliers on the Atlantic seaboard are filling all orders, however, although hard put in doing so. The demand is actually in excess of the supply, with civilian users availing themselves of WPB's published permission and recommendation to stock up as heavily as possible before the needs of the armed forces attain their expected mid-winter peak. Prices strongly maintained.

Heptane.—A moderate buying interest is shown in this gas. Supplies are light and prices firmly held.

Hexanes.—Continue in fair request. Stocks being lowered but still adequate. Tone steady.

Octanes.—Still moving steadily into consuming channels. Stocks relatively small. Prices firmly held.

Pentanes.—In increasing inquiry. Stocks being constantly reduced but still adequate. Tone strong.

Propane.—While the demands of war production contractors continue to mount, normal users are hastening to add to their reserves before WPB withdraws its recommendation to them for building up moderate stockpiles before the requirements of the armed forces reach still larger proportions. Producers in the West and Gulf still having trouble in filling all orders because of scarcity of tankcars, tank trucks and ocean freight shipping accommodations. Tone exceedingly strong.

Markets at Other Centers

Chicago—December 18

Butane.—Demand extremely good, prices, firm.
Heptane.—Call active, market firm.
Hexanes.—Inquiry good, market holding.
Octanes.—Brisk movement, prices steady.
Pentanes.—Movement extensive, market stiff.
Propane.—Demand extensive, quotations steady.

San Francisco—December 18

Butane.—Brisk.
Propane.—Very active.

Tulsa—December 18

A steadily increasing demand for virtually all the liquefied gases is running well in excess of supplies here. War orders are being given the preference and, as a result of this and inadequacy of the current production, some non-essential consumers are unable to obtain all they desire in many lines. Market tone very firm.

Butane.—Civilian users are doing their utmost to stock up, as suggested by WPB, and stocks are being constantly lowered. Prices well maintained.

Propane.—Current demand, greatly stimulated of late and steadily expanding, is outstripping current supply. All classes of consumers represented in the buyers. Tone strong.

Petrolatums and Waxes

Paraffin.—An exceptionally brisk and constantly expanding demand is noted for crude, semi-refined and fully-refined grades. With a marked shortage noted in several lines, especially pronounced in the higher grades of refined waxes, the market is extremely strong.

Petrolatums.—A steadily growing buying movement is reported in U.S.P. grades and there is also an unabated interest in veterinarian and industrial grades. Prices continue well maintained. Some suppliers, who have recently had difficulty in adjusting their movement of these goods to fiber drum containers, are employing wood barrels in domestic as well as export shipments.

Amorphous Waxes.—Continue in active request and light supply. Tone strong.

White Mineral Oils.—In moderate demand, with the most urgent request noted in the higher viscosities. Prices steady.

Markets at Other Centers

Chicago—December 18

Paraffin—Good call, market steady.
Petrolatums.—Inquiry fair, prices firm.
White Mineral Oils.—Interest active, with market holding.

Los Angeles—December 18

So heavy is the demand for petroleum waxes that producers are shipping direct from the production line with no chance to build inventories. Many orders going unfilled.

Fuels and Lubricants

Crude Petroleum.—Though there is seemingly no perceptible shrinkage of the productive capacity of existing wells in the various established fields, there is troublesome inadequacy of shipping facilities which is retarding the flow of crude petroleum eastward and northward from the areas of origin. And, as the demand for refined products keeps increasing steadily, the belief is becoming general that new sources of supply will have to be found and developed in order to maintain an output and reserve sufficiently large to meet all requirements. Insofar as movements of crude oil from the fields are concerned, the situation has not been noticeably improved within the past week. Canadian oil has been marked up. Imperial Oil, Ltd., has announced that, as of December 16, the price of Western Ontario crude has been advanced 25c. per barrel, making the new price of Petrolia crude, $2.35 and that for Oil Springs, $2.42 per barrel.

Fuel Oil.—There has been a further drop in inventories of fuel oil, within the past week, most pronounced in heavy fuel oil which has fallen to an all-time low since a period early in 1920. Stocks of light fuel oils have declined in the week ended December 12 by 869,000 barrels to 47,794,000 barrels while supplies of heavy fuel oil have receded by 434,000 barrels to 94,386,000. Simultaneously with an extension of the validity of fuel oil rationing coupons by OPA, steps have been taken by ODT toward alleviating fuel oil shortages in the East by ordering further speed-ups in tankcar movements designed to raise Eastern deliveries from 750,000 to 900,000 barrels daily. Prices on all grades of fuel oil have been well maintained everywhere except in Kansas pro-

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 9

ducing areas, where one supplier has reduced his quotation on No. 1 2 mills per gallon to 4.1c.

Gasoline.—According to the latest weekly statistical report of the American Petroleum Institute, stocks have been increased within the week ended December 12 from 77,622,000 barrels to 1,688,000 barrels. New production has also exhibited amplification within that week from 11,165,000 barrels to 11,261,000 barrels. In North Texas, the price of 63-66 octane gasoline in tanks has been marked up one-eighth to a quarter cent, making the new price range, there, 5.375c. to 5.625c. per gallon, in tanks.

In order to assure an adequate supply of gasoline for the military land and air forces, the Office of Price Administration announced, at the close of last week, a complete suspension of all "A" rationing cards in the eastern rationed area. It was also announced that driving hereafter in this region must be limited solely to absolute "necessities," and that "B" and "C" cards will be of no value in procuring any more gasoline in the present emergency if their holders already have three gallons in their cars.

Kerosene.—Keen competition among producers in Kansas has brought about a markdown of the price of 42-44 waterwhite by one mill per gallon to 4.7c., in tanks, in that area.

Lubricating Oils.—In the Western Pennsylvania area, the only refiner making 15 pour test neutral oil of 150 and 200 viscosities, has advanced his price one to one and a half cents per gallon to 27½c. and 29½c., respectively. Prices of other lubricating oils firmly held at previously quoted levels.

Markets at Other Centers

Chicago—December 18

Gasoline.—Continuing call, prices stiff.

Kerosene.—Demand fair, prices holding.

Lubricating Oils.—Inquiry good, market firm.

72d—OPD—Year

A. J. Dockweiler has been elected a director of the Tide Water Associated Oil Co., of San Francisco.

ODT Revises Order on Empties

—*Continued from page* 5

loading of tankcars, and require that the cars be released within an over-all total of 15 hours after they have been delivered, as against the presently permitted 48 hours.

2. Hold carriers wherever practicable to four hours for switching terminating cars to the plant of the receiver or originating cars to the plant of the shipper.

3. Assign certain tankcars exclusively to the Eastern petroleum service and eventually all of the nation's 143,000 cars to specific services.

4. Require the immediate repair of defective cars by the carriers or their agents without regard to ownership of the cars.

5. Obtain a comprehensive inventory of available transportation, loading and unloading facilities ,and day-to-day information about the operation of symbol petroleum trains.

6. Continue the tankcar permit system, now greatly simplified, to require a special or general permit for the movement of any commodity in a tankcar for a distance of less than 200 miles, as measured by the shortest available published rail tariff route.

7. Require the participating carrier to assemble and dispatch a symbol train (1) within ten hours after it has received or been tendered thirty or more cars destined to suitable concentrated points, or (2) within fifteen hours after there has been tendered to it a train load of cars so destined.

72d—OPD—Year

Alcohol Production Increase Planned

—*Continued from page* 5

way for the manufacture of industrial alcohol in 1943.

Contracts for the sale of the wheat during the first quarter of 1943 are now being offered to millers by the CCC—in some instances at 84 cents per bushel, in others at 82 cents per bushel. Contracts also will be offered distillers for the purchase of corn and wheat for production of alcohol during the first quarter of 1943, on the same terms applying to the fourth quarter of 1942, it was stated.

OPA Sets $35 Ceiling On Reconditioned Drums

—*Continued from page* 7

drums would be $46.50 if any were obtainable.

OPA established the maximum price for guidance of all manufacturers using such containers. No sales of used, reconditioned drums have as yet been made and, hence, there is no market experience on which to base maximum prices. However, the durability and the good condition of the drums, used principally for inter-plant shipments, was taken into consideration in establishing the price f.o.b. location at time of sale.

72d—OPD—Year

Sulphuric Acid Needs For Aviation Gas Studied

—*Continued from page* 3

that it is necessary to justify the essential need of tankcars now being used for inorganic acids to the satisfaction of the Office of Defense Transportation. They also considered procedures that could be followed to eliminate cross-hauling and excessive hauling, and how to speed up the loading and unloading of tankcars.

The probable need of materials for maintenance and repair of existing facilities during 1943 was also considered as well as the current procedure for the disposition of spent acid.

72d—OPD—Year

Property Transportation Tax Cannot Be Passed On

OPD Washington Bureau

Provisions stating that the 3 percent property transportation tax, which became effective December 1, cannot be passed on in the form of increased prices formally were written into the General Maximum Price Regulation December 14.

The Office of Price Administration pointed out that legally Supplementary Order No. 31, issued November 26, made these provisions govern prices under the General Regulation as well as other price regulations. However, for the sake of clarity it was decided to add the provisions to the text of the General Regulation itself.

The provisions are contained in amendment No. 39 to the General Maximum Price Regulation effective December 17.

72d—OPD—Year

Soluble Dried Blood Control Order Lifted

OPD Washington Bureau

Because the supply of soluble dried blood is now well in excess of demand, the Director General for Operations has revoked General Preference Order M-192, which placed soluble dried blood and blood-adhesives under allocation. The shift in the supply and demand situation is primarily due to the fact that there has been an increase in plant capacity and also because a new formula has been developed for making phenolic resin adhesives which can be used as substitutes for blood products.

72d—OPD—Year

M.S. Barker Joins M.M.R. 20-Year Club

W. Stanley Barker, metropolitan New York sales manager for Magnus, Mabee & Reynard,, Inc., essential oils, this city, and Miss Maryanne James, assistant to the treasurer, were inducted into the company's 20-Year Club. At the Hotel Warwick active members of the 20-Year Club and one retired member, Edgar A. Lessels, were seated on the platform. William F. Fischer, general sales manager, officiated by right of seniority, since he is the oldest active MM&R employee in terms of service. Dinner and entertainment preceded the formal induction.

M. Stanley Barker was trained as an engineer and helped construct a World War No. 1 dirigible for England. Later, as a member of the First U. S. Reserve Air Squadron, he saw flying service in France.

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Fertilizer Materials

Fertilizer Manufacturers Hear They Will Have Difficulty Getting Soybean Meal on Eve of WPB Conference on Lowered Nitrogen Contents of New Mixtures

Efforts of fertilizer manufacturers to obtain enough nitrogenous material, for making up their complete fertilizer compounds, from oilseed meals, when denied more than a small quantity of chemical nitrates for this purpose, have met with a notable setback, this past week. Even before the War Production Board and Department of Agriculture could round out their carefully planned conferences with these plant food manufacturers, sales agents and dealers. at the last of a series of gatherings for instructing these interests how to supplement their meagre supplies of inorganic nitrates with organic ammoniates, headed by soybean, cottonseed, peanut, linseed and castor bean meals, Secretary of Agriculture Wickard, as Food Administrator, issued a pronouncement that no soybean meal will be available for fertilizer mixtures next year, in order that the entire output of this meal may be made available for feed manufacturers whose needs are deemed paramount.

But, despite Secretary Wickard's pronouncement, the Agricultural Chemical Unit of WPB has reported that it knows of no restrictions whatever on oilseed meals for the fertilizer industry in 1943. On the contrary, T. E. Milliman, head of this WPB unit, has stated that, in his judgment, there will be no such restrictions on soybean or any other oilseed meals. Whereas no soybean meal has yet been segregated by the Commodity Credit Corporation and turned over to WPB or directly to the farmers for fertilizer mixtures, there is seemingly nothing to prevent mixers of fertilizers from buying such meals, if they are willing to pay the relatively high prices asked for them when competing with the feed makers for them.

By the terms of an amendment to General Imports Order M-63, announced by WPB December 17, no oil cake or meal of foreign origin, made of cottonseed, peanut, hempseed or any other seed, nut or bean except soybean, linseed and cocoanut, can be imported, without WPB's express authorization from any foreign land — even from Canada, Mexico, Guatemala or El Salvador, although many other commodities may be brought in from these last-enumerated countries without such authorization. This same amended WPB order also requires special authorization for importing castor beans, cottonseed and peanut oils, ground peanuts and tankage.

Aside from the change in the soybean meal situation, the interest of the fertilizer industry has been focused upon the all-day meeting of local fertilizer interests with representatives of the WPB, OPA and USDA, held in this city December 18, wherein it was sought to determine the fertilizer needs of agriculturists in the states of New York, New Jersey and Pennsylvania, and also to make clear the exact extent to which the WPB-revised "grades" of these states have had their nitrogen contents lowered, when not entirely eliminated.

There is now no relief in sight from the shortages in cottonseed, peanut and castor bean meals, dried blood and tankage. No linseed meal or fish meal are obtainable anywhere.

Nitrogenates

Castor Pomace. — Following recent arrivals of moderate quantities of beans from India as well as from Brazil, the local market has again become bare of offerings of the pomace or meal. Prices strongly held. Latest arrivals have included 2,165 bags of beans, weighing 324,750 pounds, from India.

Cottonseed Meal.—No immediately available goods. Spot quotation around $38.50 for 8 percent nitrogen grade merely nominal. Ceiling prices for February shipments remain unchanged. Market tone very firm. No imports can be made hereafter except on WPB's express authorization.

Cyanamid.—Situation unaltered.

Dried Blood.—Feed makers taking up all that packers have failed to retain for their own uses.

Fish Meal.—Fish factories still experiencing difficulty making deliveries on outstanding contracts. No new offerings of scrap. Meal continues unobtainable. No fish scrap or meal of foreign origin can be imported except on special authorization by WPB, according to an amendment to General Imports Order M-63, approved December 17.

Hoofmeal. — Only infrequent and scanty offerings being currently made. Prices firmly maintained.

Linseed Meal.—Most of the mills hitherto processing this meal are now engaged in turning out soybean meal under CCC directives, with the two leading local plants likely to take over some contracts of Western plants in order to avoid cross-hauling. Thus, no linseed meal is available hereabouts.

Nitrate of Soda.—Fertilizer interests in the Middle West and on the Pacific Coast have recently received small additional allocations, but Eastern interests do not appear to have been favored to any appreciable extent. Bulk of the output still going into munitions making. Prices continue firmly held.

Peanut Meal.—No offerings for spot or nearby deliveries. Nominal quotation of $39 is still made for immediate shipment, but there is none available short of February delivery, with ceiling prices continuing in force. Imports are forbidden by the terms of amended General Imports Order M-63 except upon special authorization by WPB.

Nitrogenous Material.—Small allocations still being made in Southern territory on old contracts by manufacturing interest in Chemical, Ill., at $2.90 per unit-ton. None offered elsewhere.

Soybean Meal.—The Food Administrator's pronouncement that little or none of this meal will be available for fertilizer mixtures in 1943 has been discounted by a statement by the head of WPB's Chemical Unit, to the effect that in his judgment there is not now and will not be any restrictions on the use of this meal or any other oilseed meals for fertilizers.

Sulphate of Ammonia.—Some additional allocations are being made to fertilizer interests, but bulk of current output is continuing to go into munitions-making and lend-lease shipments. Estimates on by-product coke-oven operations for week ended December 12 indicate production of 38,362,400 pounds from that source.

Tankage.—Subject to same conditions as those reported for dried blood. Some sales of unground feeding grade made in Chicago and New York to cattle and hog feed interests at ceiling prices. Tankage of foreign origin cannot be imported, except upon special authorization by WPB, according to an amendment to General Imports Order M-63, approved December 17.

—*Continued on page 61*

Price Changes

Advanced

Bonemeal, domestic, steamed, feeding ing grade, 1 percent ammonia, 60 percent phosphoric acid, in bags, f.o.b. Eastern works and Chicago plants, $1 per ton.

Reduced

None

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
71.8	71.8	71.8	70.6

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 9

Domestic SULPHATE of AMMONIA AND AMMONIA LIQUOR
MADE IN THE U.S.A.
Barrett NITROGEN
THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 RECTOR STREET • NEW YORK, N. Y.

SUNSHINE STATE POTASH U.S.A. A PRODUCT OF NEW MEXICO
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FMC

CLEAR YOUR DECKS FOR PRODUCTION

Above all, in this war of materials, PRODUCTION will be a vital factor in 1943. Clear out all unneeded and surplus equipment. Let us re-allocate it doing war work.

Conversely, you can better your production by immediate delivery of good REBUILT EQUIPMENT, guaranteed to equal new unit performance.

2 Sweetland Filters, Nos. 7 and 10

1 Lancaster type; 9 cu. ft. Mixer with motor

3 Broughton Mixers; 1000 lb. and 2000 lb.

2 Lab. Heavy Duty Mixers (1 gal.) Jktd. and Unjktd.

1 W. & P. Jktd. Vac. 150 gal. Heavy Duty Mixer

1 W. & P. 250 gal. Unjacketed Mixer

1 40 gal. Pony Mixer; 6-15 gal.; 2-8 gal.

4 Rotex Sifters; 40" x 84"; belt driven

2 Cast Stone Acid Tanks; 650 gal. ea.; rectangular

1 Glass Lined 1250 gal. oval truck type Tank

1 Glass Lined 2000 gal. Jktd. and Agitated Hor. Tank and Trailer

6 Buhr stone lined 6' x 6' Pebble Mills

7 Rotary Kilns; 7'6" x 60'; 1" steel plate

12 Cast Steel 1000 gal. Jacketed, Agitated Kettles

2 Cast Iron Agit. Jktd. Va. Pans; 3' x 5'6"

2 Louisville 6' x 35' Steam Tube Dryers

1 Rotary Digester; 6' x 15'

Send for Complete Bulletins and Lists on:

Filters and Filter Presses

Hydraulic Presses

Large Steel Storage Tanks

Standard Make Vacuum Pumps

Copper Jacketed Kettles

FIRST MACHINERY CORP.

FMC

9th St. & EAST RIVER DRIVE

NEW YORK CITY

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All Other Classified Advertisements—$5.00 thirty-six words or less; 85c for each additional six words or fraction.

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ESTABLISHED Cincinnati firm covering part of Ohio and Louisville, Kentucky, would be interested in representing actual producers of materials used in the ink, paper, rubber, paint or other industries. BOX 188, Oil, Paint and Drug Reporter.

CHOICE EQUIPMENT!

STAINLESS STEEL, jacketed, 60 gallon, agitated Autoclave, 750-lb. internal pressure.

CAST STEEL AUTOCLAVE, 550 gallon, jacketed, agitated.

VALLEY IRON, 350 gallon, agitated Autoclave.

BETHLEHEM-FREDERKING Cast Iron Kettle, 7'x9'.

CAST IRON Closed Jacketed Kettle, 6' 6"x 8' 6".

SHARPLES No. 6 Super Centrifuge, motor driven.

SPERRY Cast Iron 36", 2 eye, closed delivery Filter Press, 2" frames.

SHRIVER Filter Presses, cast iron, 7" to 24".

3—**DEVINE** 200 gallon, agitated, closed cast iron Kettles.

J. H. DAY 12"x32", 3 roll Water Cooled Mill, silent chain drive.

J. H. DAY & LEHMAN 16"x40", 3 roll Mills, water cooled, silent chain drive.

ABBE ENG. Jacketed, Porcelain Lined Pebble Mill, 4' 6"x3' 6".

Mixers and Sifters, 50 to 2,000-lb. capacity.

FLETCHER 40" bottom discharge, motor driven Centrifugal.

BUFLOVAK Vacuum Drum Dryer, 24"x20", complete.

Send for Bulletin "F"

MACHINERY & EQUIPMENT CORPORATION

59 East 4th Street New York City

Equipment Offered

ROTARY DRYERS 30 in. by 40 ft, 4 ft. by 30 ft., 5 ft. by 27 ft.,5 ft. by 40 ft.; jar mills, 4 gallon quadruple jars, motor driven; Wheeler radojet vacuum ejectors with intercondensors. Lawler Company, Metuchen, N. J.

Equipment Wanted

WANTED—Our expansion program requires additional equipment. We need iron and wood filter presses, jacketed kettles, mixer, pulverizer, dryer, etc. No dealers. Send your offerings to BOX 168, Oil, Paint and Drug Reporter.

WILL PURCHASE second-hand oil expeller in good working condition. Write air mail, giving full particulars and price, to BOX 2211, San Juan, Puerto Rico.

COLLOID MILL, one, three or four inch Premier. Also a small size homogenizing machine of any make. The machines must be in good condition. BOX 192, Oil, Paint and Drug Reporter.

STEEL STORAGE TANKS
5,000 to 65,000 Gallons

GLASSLINED TANKS
2,000 to 25,000 Gallons

LEAD LINED CONVERTER
10,000 Gallons Total Capacity
10' Diameter 20' Long
Complete with 20 HP motor
(can be used as acid storage tank)

WINTER, WOLFF & COMPANY
Plant & Equipment Division
76 BEAVER STREET NEW YORK
Telephone: Bowling Green 9-3393-5

Equipment Wanted

WANTED: to buy can—or jar-filling machine suitable for filling hot viscous material or pastes. Please give full particulars as to make, type, capacity, price, etc., and state where it can be seen. BOX 194, Oil, Paint and Drug Reporter.

—*Continued on poge* 61

TANKS

23 Steel Oil Storage 5,000 — 8,000 — 11,500 and 20,000 Gal. Cap.
2—10,500 bbl. capacity field tanks.
9 Cyprus 3,800 gal. 9 ft. dia. 8 ft. high.

TANKS ON TOWERS

100,000 gal. Steel 40' Tower
75,000 gal. Steel 80' Tower
35,000 gal. Steel 90' Tower
25,000 gal. Steel 80' Tower
1—100,000 gallon Steel 82' Tower
1—40,000 gallon Steel 100' Tower

R. C. STANHOPE, Inc.
60 EAST 42nd ST., NEW YORK, N.Y.

LIQUIDATING

1—No. 4 Sweetland Filter Press with Stainless Leaves
1—32" Iron Filter Press, 42 Plate
1—Paterson 7' x 5' 6"—Silex
2—Paterson 4' x 5'—Silex
1—Abbe 4' x 6' — Porcelain Pebble Mills, Motor Driven
5—48" and 60" Rubber Basket Extractors
5—Rubber Lined Tanks
4—8,000 Gallon Steel Pressure Tanks
2—1,000 Gallon Soap Kettles
5—Copper Steam Jacketed Mixing Kettles, 50 to 350 Gallons
1—Truck Dryer
Pumps, Boilers, Generators

REPUBLIC EQUIPMENT CO.
40 Worth Street New York City
WOrth 2-4583

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"CONSOLIDATED"

Has What You Want - - -
Equipment Ready for Shipment!

2—All Copper EVAPORATORS: 1 Badger triple 450 sq. ft. per effect, complete; 1 Standard triple 350 sq. ft. per effect, complete.
17—RUBBER LINED Rectangular TANKS, 1 2,220 gal., 2 1,000 gal., 2 650 gal., 9 500 gal., 2 200 gal., 1 150 gal.
1—Procter & Schwartz 9-truck ATMOSPHERIC DRYER, 1,562 sq. ft. tray surface.
2—Rotary VACUUM DRUM DRYERS: 1 Buffalo 48"x40" Single Bronze Drum; 1 Devine 3'x9' Double Bronze Drum.
7—ROTARY VACUUM DRYERS: 1 Buffalo 5'x30'; 5 Devine 4'x25'; 1 Devine 4'x30'.
3—ATMOSPHERIC DRUM DRYERS: 2 Anco 4'x9' single drum; 1 4'x8'.
50—25 gal. MONEL open TANKS; 12 45 gal.
1—20 gal. MONEL KETTLE, electrically heated.
1—50 gal. STAINLESS STEEL LINED jacketed KETTLE.
1—100 gal. ALUMINUM JACKETED KETTLE. 2 80 gal., 1 60 gal., 2 40 gal., 1 20 gal.
4—300 gal. PFAUDLER WATER JACKETED KETTLES, side m.d. agitators; 1 125 gal.
4—300 gal. COPPER CLOSED TIN-COATED TANKS.
35—CENTRIFUGAL EXTRACTORS, 12" to 72", bronze and steel baskets, belt and motor drives.
8—PEBBLE MILLS: 1 Patterson, 6'x7' Silex Lined; 1 32x42" rubber lined; other sizes.
6—3-ROLLER MILLS, up to 16x40.
8—4,000 lbs., 2,000 lbs., 1,000 lbs., 800 lbs., 600 lbs., DRY POWDER MIXERS, other sizes.
2—W. & P. MIXERS, size 21-X-BB, jacketed, 625 gals.; 1 size 15, 100 gal. jacketed; 1 size 14, 50 gal. jacketed; other sizes.
4—4'x6' Iron OLIVER CONTINUOUS FILTERS.
1—PNEUMATIC SCALE PACKAGING UNIT.

IMMEDIATE ACTION!

LIQUIDATION

Former
Garcia Sugars Plant
Long Island City, N. Y.

4—Iron Filter Presses: 3-42"x42", 38 chambers; 1-15" x 15", 18 chambers.
9—Steel Tanks: 4-5000 gal. vert. closed; 1-5000 gal. open, agitated; 4-1000 gal. vertical.
1—Sharples centrifuge with monel bowl.
1—30" Centrifugal Extractor.
2—Portable Bag Filers, m.d.

Miscellaneous: Buffalo Filling Machines, Air Compressors, Tanks, Structural Steel Framework, Piping, Valves, Fittings, Pumps, Motors.

ACT NOW! WIRE OR PHONE YOUR INQUIRIES

SEND FOR COMPLETE LIST

1—14' dia. WEDGE FURNACE, 7-hearth, complete.
1—Sperry 42"x42" CAST IRON FILTER PRESS, plate-frame, 55 chambers; 1 Shriver 36"x36", washing, 60 chambers; 20 others, 30"x30" to laboratory sizes.
9—HEAT EXCHANGERS, Ahlberger; 50, 100, 300, 440 sq. ft. heating surface; other smaller sizes.
2—Crassan Morris 48" Copper basket, direct m.d. CENTRIFUGALS, ball bearing.
5—RAYMOND PULVERIZERS: 2 Roll High Side; No. 1 Beater Type; No. 0000.
3—Vilter AMMONIA COMPRESSORS, twin horiz. 250 tons each, direct motor driven to Westinghouse 500 HP synchr. Motors, 3-60-440 v.
1—Vilter AMMONIA COMPRESSOR, 40 tons, motor driven with Westinghouse 100 HP 3-60-440 v.
2—Direct Heat Rotary DRYERS: 1 6'x24' Iroquois and 1 5'x30' Iroquois, ½" shells.

Wanted: IDLE MACHINES

Right now there are some urgent inquiries which we are trying to fill. If you will take the time to send us a list of all machines you can spare, you will accomplish the double result of helping some defense output and turning a wasting asset into cash. Remember—we buy Single Items and Complete Plants.

Send for "Consolidated News" listing complete stock

We Buy and Sell From a Single Item to a Complete Plant

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CONSOLIDATED PRODUCTS CO., INC.

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New York

Shops: 335 Doremus Avenue
Newark, N. J.

Business Wants and Offers

—*Continued from page* 60

Factories Offered

CONCRETE BUILDING, one floor, 19,000 sq. ft. floor space, live steam 24 hours a day, railroad siding, power lines, water and gas lines installed. Unrestricted district in Brooklyn near Bridge. The R. L. Kraft Company, Woolworth Building. Cordtlandt 7-9377.

Materials Wanted

SOURCES of supply are wanted for alkalated benzenes of high molecular weight. Submit offers to BOX 193, Oil, Paint and Drug Reporter.

Positions Vacant

VARNISH CHEMIST wanted by fast-growing paint and varnish plant in Middle West. Must have up-to-date knowledge of latest developments in varnish technology. Also knowledge of enamels, etc. Write giving age, draft status, experience, education and salary desired. This is excellent opportunity for competent, experienced chemist. BOX 167, Oil, Paint and Drug Reporter.

PROTECTIVE coatings chemist for development work in Eastern plant, on chemical resistant coatings and plastics; also routine testing and control work. Outline experience, draft status and salary requirement. BOX 186, Oil, Paint and Drug Reporter.

CHEMIST, preferably with dyestuff or intermediate plant experience, for production and research work. Permanent position. Only 3A men considered. Give full details and salary desired. BOX 191, Oil, Paint and Drug Reporter.

Positions Wanted

MANUFACTURING CHEMIST, American, 29 years experience, photographic, pharmaceutical chemicals, intermediates, essential oils, pulp, paper. Last war, built large plant to make war chemicals. Also can make synthetic rubber, both buna S and neoprene types; draft exempt. BOX 180, Oil, Paint and Drug Reporter.

INDUSTRIAL specialty chemist, 33, married, draft exempt, interested in joining enterprising sanitary specialties or paint manufacturing firm. Experienced in the manufacture, laboratory work, research on soaps, disinfectants, wax specialties, asphalt and paint emulsions. Army, Navy and Federal specifications. BOX 187, Oil, Paint and Drug Reporter.

PAINT and lacquer technician, 10 years' experience as plant manager, purchasing agent, technical service sales, seeks position with manufacturer of defense plant as finishing expert; mechanically inclined and inventive; native; dependents. BOX 189, Oil, Paint and Drug Reporter.

LACQUER CHEMIST, employed, almost 10 years in the field, with experience of control and some formulation, seeks connection with progressive concern. BOX 190, Oil, Paint and Drug Reporter.

FOR SALE!

1—Rotary Dryer, monel lined, 6'x45'.
1—Patterson 3'x4' Steel Lined Ball Mill.
7—200 gal. Pebble Mills, 4½'x3½'.
3—Lead Lined Absorber Tanks, 6'9"x6'4".
1—Lead Lined Mixing Tank, 6'9"x6'4", motor driven.
2—Glens Falls 20"x8' Sulphur Burners.
2—Nash No. 4 Vacuum Pumps.
2—S. & K. Heat Exchangers, 40 and 80 sq. ft.
3—Copper Tanks, 2,000 and 2,500 gals.
1—Struthers Wells Vertical Steel Tube Evaporators, Single Effect, 3,300 sq. ft.
6—ROTARY DRYERS, 6'x7'x100', 6'x65', 4'x40', 4'x30', 3'x20', 3'x18'.
1—Shriver 24"x24" Steam Jacketed Filter Press, 30 chambers.
8—Rubber Lined Pebble Mills, 24"x36", 36"x36".
3—Jeffrey Hammer Mills, 18"x24", 24"x36", 36"x18".
5—Roller Mills, 5"x12", 9"x24", 12"x32".
6—Pony Mixers, 8, 15, 20, 40 gals.
1—Mikro Pulverizer, 24".
2—Steel Storage Tanks, 20'x20'.
1—P. & S. Tray Dryer.
3—Cast Iron Plate and Frame Filter Presses, 36"x36".
1—Hersey 5'x25' Indirect Heat Dryer.
2—Rubber Lined Tanks, 42"x60".
1—Stainless Steel Jacketed Tanks, 46"x30".
1—Oliver Rotary Filter, 6'x4'4".
1—Jacketed Pebble Mill, 24"x30 .
3—Atmospheric Drum Dryers, 4'x8', Double Drum 28"x60", 36"x96".
1—Cutler No. 4 Steam Tube Dryer.
23—Storage Tanks, from 5,000 to 50,000 gals.
1—Raymond No. 1 Pulverizer motor driven.
2—Day Imperial No. 30 Jacketed Mixers.
4—Rotex Screens, 20"x40" to 40"x84", single, double and triple deck.
14—Pebble Mills, Lab. to 600 gals.
6—Sharples No. 6 Clarifiers.
5—Tolhurst Centrifugals, 26" to 60".
12—Dry Batch Mixers, 50 to 2,000 lbs.
36—Iron and Copper Jacketed Kettles, 10 to 2,500 gals.
4—Sweetland Filters, Nos. 5, 7 10.
19—Shriver and Sperry Cast Iron, Wood, Filter Presses, 12" to 42".
6—Colloid Mills, U. S. and Premier.
12—Glass Lined Tanks, to 1,000 gals.

Cash Buyers of Your Surplus Equipment
—From a Single Item to a Complete Plant

BRILL Equipment Co.
183 VARICK STREET NEW YORK

Fertilizer Materials

Nitrogenates

—*Continued from page* 59

Urea.—Some allocations of "uramon" are now being made to fertilizer manufacturers. Quotations on fertilizer compound and other descriptions of crystal urea continue firmly held.

LOCATED PHILADELPHIA, PA.

COMPLETE BUCKEYE OIL PRESSING UNIT

4—BUCKEYE 15 BOX HYDRAULIC OIL PRESSES, 16" RAM, 24 STROKE, 4,000 LBS. P.S.I.
1—BUCKEYE HYDRAULIC 4 PLUNGER HORIZ. HIGH AND LOW PRESSURE PUMP
1—PAIR (2) BUCKEYE TANK TYPE ACCUMULATORS, HIGH AND LOW PRESSURE.
1—LOT HIGH PRESSURE PIPING WITH VALVES AND FITTINGS.
1—CAKE FORMER AND MIXER.
1—NO. 2½ EUREKA VERT. BREAKER.
3—DOUBLE STAND STEEL 4 ROLL FF MILLS, 7"x18", 7½"x20", AND 7½"x30" Rolls.
1—NO. 21 BUFFALO CHOPPER.
2—SHRIVER IRON FILTER PRESSES.
3—JOHNSON IRON FILTER PRESSES.
1—WELDED STEEL STORAGE TANK.
1—SCHUTZ-O'NEILL 20" PULVERIZING MILL WITH COLLECTOR
1—STANDARD AUTOMATIC CAPPER
1—A. S. BECK CARTON PRESSER

WRITE FOR BULLETIN L 19

1—Badger 42" Monel Alcohol Column.
1—W. & P. 150 gal. Jack. Mixer, Size 16.
1—Read Type Double Arm Mixer, 75 gal.
1—3 Roll High Side Raymond Mill.
2—5 Roll W.C. 16"x40" Steel Roller Mills.
1—Allbright-Nell Atmos. Drum Dryer, 3'x8'.
1—Devine 4'x30' Rotary Vacuum Dryer.
43—Stainless Steel Filter Press Plates, 24"x24".
6—4,000 gal. Vert. Acid Proof Tanks.
2—Sweetland Filters, Nos. 5 and 8.
1—No. 2 Mikro Pulverizer.
1—No. 4 Mikro Pulverizer.
12—Iron and Wood Filter Presses, 18" to 36"
1—No. 2 Oliver Duplex Vac. Pump, 14"x8".
1—Pennsylvania Vac. Pump, 14"x5".
2—Worthington 12"x12"x12" Vac. Pumps.
1—Beach-Russ No. 6 Compound Vac. Pump.
1—Creamery Pkge. Mfg. Co. Homogenizer, motor driven, approx. 400 gals. per hr.
1—De Laval No. 301 Multiple Clarifier, M.D.
5—Ross 8, 15 and 40 gal. Pony Mixers.
4—Ross 3 Roll Mills, 12"x30" and 16"x40".
10—Pebble and Jar Mills, Lab. to 750 gals.
2—Tolhurst Centrifugals, 32" and 40".
10—Stone Mills, 10" to 32".
8—Lead and Paste Mixers, 50 to 135 gals.
6—Powder Mixers, 100 lbs. to 3,500 lbs.
6—Horiz. and Vert. Mixers, up to 500 gals.
18—Glass Lined & Steel Tanks to 10,000 gals.
6—Vert. Jack. Kettles, up to 500 gals.
20—Copper Jack. Kettles, up to 150 gals.
1—Schutz-O'Neill No. 1 Sugar Pulverizer.
1—Jeffrey 24"x18" Type A Hammer Mill.
3—Single and Double Roll Spike Crushers.
2—No. 0 and No. 1 Raymond Mills
6—Williams & Jay Bee Hammer Mills.
1—Bauer 22" Attrition Mill.
1—Stedman 42" Ball-Bearing Disintegrator.
15—Electric Agitators, ¼ to 10 H.P.
20—Rotary, Centrifugal and Vacuum Pumps.
6—Liquid, Paste and Powder Fillers.

ONLY PARTIAL LISTING
WRITE FOR COMPLETE BULLETINS
WE BUY YOUR SURPLUS MACHINERY

STEIN EQUIPMENT CORPORATION
Department E
426 BROOME ST., NEW YORK CITY

Potashes

Fertilizer interests who have not covered all their requirements with contracts are having great difficulty in obtaining additional lots of muriate and manure salts. Domestic producers have sold their output up to next March and the only present offerings are those of resale lots. No further imports from Russia or any other country are now in sight. Prices are strongly maintained.

Phosphates

Bone Materials.—With no material of foreign origin now available and with domestic offerings still very limited, the market has stiffened further within the past week. Additional sales of domestic steamed, feeding grade, of the 1 percent ammonia and 60 percent available bone phosphate description, in bags, have been made at previously-mentioned figures, and those hitherto quoting $44 at Eastern works and $49 at Chicago have raised their prices $1 per ton to minimums of $45 and $50, respectively, while up to $47 and $51 per ton, respectively, also continue to be named.

Cottonseed Hull Ash.—Suppliers of this material to Northern tobacco growers continue seeking as much as they can obtain. Prices still firmly held.

Phosphate Rock.—Both Florida land pebble and Tennessee brown rock continue in fair request. Market tone steady.

Superphosphate.—A brisk demand continues to be noted. Producers of triple superphosphate have sold their output far ahead, a large percentage of it on lend-lease arrangements.

Sulphur and Pyrites

Consumers continue to act on the recommendation of leading producers to stock up with crude material, in order to avoid serious transportation difficulties later in the Winter. Current output and supply ample. Prices strongly maintained. Spanish pyrites still unavailable.

Markets at Other Centers

Atlanta—December 18

Superphosphate.—61c. per unit, interior producing points.

Nitrate of Soda.—Prices unchanged, allocated only for top dressings.

Sulphate of Ammonia. — Price unchanged. Limited supply allocated.

Cottonseed Meal.—Scarce, $38.50 ceiling, when available.

Peanut Meal.—Very scarce. Car lots $38 per ton, ceiling.

Soybean Meal.—Limited amount for December shipment, $32 per ton, Decatur, Ill.

Baltimore—December 18

Fish Scrap.—Supplies of this organic ammoniate, if anything, are smaller than they were, but what with menhaden fishing operations at a standstill in all areas except one, and with the production in that one area hampered by weather as well as other conditions. Signs of fish seem encouraging, but the government is cutting down the number of fishing craft every now and then, one of the most recent reports having it that as many as 22 vessels of a single company have been taken over, leaving perhaps only a dozen bottoms available for fishing, while two of the three craft owned by another factory have been added to the vessels in the federal service.

Chicago—December 18

Dried Blood.—Principal grade, unground, $5.38 per unit of ammonia.

Tankage.—Unground feeding grade, $5.53 per unit; hoofmeal, $4.35 to $4.50; liquid stock, $2.25 to $2.50.

Bone Tankage.—Ground, steamed bone, 3 and 50 per cent, $35 to $36 per ton; cattle jaws, skulls and knuckles, $40 to $42; dry, rendered tankage, hard pressed, $1.20 to $1.21; 50 percent meat and bone scrap, $68.

San Francisco—December 18

Ammonia Phosphate.—Quoted at $48 per ton for 16/20 grade, delivered inland California points.

Ammonia Sulphate.—Sold subject to WPB allocation at $38 per ton; freight allowance up to $4.40 per ton.

Blood Meal.—Light offerings with high demand. Quoted when available at $4.40 to $5 per unit or better, f.o.b. Los Angeles.

Bone Meal.—Steamed bone meal quoted at $47.50 per ton, f.o.b. plant, San Francisco. Low grade raw bone meal upwards of $37 per ton.

Fish Meal.—Light production, coupled with high demand, makes for very tight situation here. Quoted:—65 percent protein at $75.50 per ton; 67 percent at $77.50; 70 percent at $81. Merchandising charges, $2 additional.

72d—OPD—Year

Imports Sales Price Policy Set

—*Continued from page* 5

the maximum price established by the General Maximum Price Regulation by more than the amount certified to him by the importer in writing pursuant to No. 1499.1402 (c).

This regulation shall not apply to:—

(a) Purchases of commodities to be imported by a person who deals directly with the seller or his selling agent whereever located.

(b) Sales or deliveries of any imported commodity in its imported state, or after being subjected to a process which does not result in the production of a new and different article having a distinctive name, character, or use, to the United States or any agency thereof, or to the government of any country whose defense the President deems vital to the defense of the United States under the terms of the Act of March 11, 1942, entitles "An Act to promote the defense of the United States,' or any agency of such government, or sales or deliveries to any person who will use such commodity to fulfill a contract with the United States or any agency thereof, or with such other government or any agency thereof, or to fulfill a subcontract under any such contract.

72d—OPD—Year

Current Market Quotations

—*Continued from page* 27

Zinc sulphate, powd., bgs., c.l.. 100 lbs.	5.80	-	—
l.c.l. .....100 lbs.	6.55	-	—
bbls., c.l.....100 lbs.	6.05	-	—
l.c.l. .....100 lbs.	6.80	-	—
Sulphide,[1] pure, bgs., c.l. (20 tons), dlvd..lb.	.06½	-	—
l.c.l., dlvd.....lb.	.06½	-	—
bbls., c.l. (20 tons), dlvd.lb.	.06½	-	—
l.c.l. .....lb.	.06¾	-	—
barium, pigment, bgs., c.l., dlvd..lb.	.0560	-	—
l.c.l., dlvd.....lb.	.0585	-	—
calcium pigment, bgs., c.l., dlvd..lb.	.0560	-	—
l.c.l., dlvd.....lb.	.0585	-	—
magnesium, pigment, bgs., c.l., dlvd..lb.	.05¾	-	—
l.c.l., dlvd.....lb.	.06	-	—
Yellow (See Yellow, Zinc)			
Zinc yellow, chrome (see Yellow, zinc)			
Zinc sulphide delivered to Pac. Cst. is ¼c. per lb. higher for the pure and ½c. for the others.			
Sulphocarbolate, NF, bbls., dms. lb.	.24	-	.25
Zinc-ammonia chloride, dms., c.l., works..100 lbs.	5.65	-	—
l.c.l., works.....100 lbs.	6.70	-	—
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb.	.06	-	—
l.c.l., dlvd., E. of Rockies. lb.	.06¼	-	—
dlvd., Pac. cst.....lb.	.06½	-	—
ex whse., Pac. cst....lb.	.07	-	—
Zirconium nitrate, kgs., works.lb.	3.00	-	4.00
Oxide, crude, 70-75%, gr., bbls., works..ton.	75.00	-	100.00
white, 98%, grd., kgs., works. lb.	1.80	-	2.00

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Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials will appear next in the January 4 issue of OPD.

Shipping Information

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New York Imports

ACID, NAPHTHENIC—2,500 bbls, 105,000 gls
ALOE—60 cs, J C Andresen
ARROWROOT—450 bgs, 91,830 lbs, Morningstar-Nicol, Inc
ASBESTOS—73 bls, 14,600 lbs, Asbestos, Ltd
AMOSITE—167 bls, 33,400 lbs, Asbestos, Ltd
CASTOR BEANS—2,165 bgs, 324,750 lbs, Ralli Bros
CIVET—2 cs, R D Heins
1 pkg, R D Heins
COCOA BEANS—5,155 bgs, 100,000 lbs
500 bgs, 100,000 lbs, National City Bank
800 bgs, 160,000 lbs, W R Grace & Co
500 bgs, 100,000 lbs, Bankers Trust Co
5,450 bgs, 1,090,000 lbs, Public National Bank Trust Co
200 bgs, 40,000 lbs, Chase National Bank Trust Co
11,130 bgs, 2,226,000 lbs, Standard Bank South Africa
37,300 bgs, 7,460,000 lbs
CORIANDER SEED—70 bgs, 8,400 lbs
GLUESTOCK—114 bls
GUM, COPAL—423 bgs, 61,710 lbs, Balfour, Guthrie & Co
HAIR—10 bls, J Henry Schroeder Banking Corp
48 cs
CATTLE—60 bxs
CATTLE TAIL—4 bls, Swift & Co
5 cs, Harris Franklin
MANES—3 bls
LATEX, CONC—360 dms, Lunham & Reeve
MEDICINAL PREPS—159 cs, D C Andrews & Co
4 pkgs, Garcia & Fabrego
5 pkgs, Gabriel J Fajard
MICA, BLOCK—18 cs
SPLITTINGS—206 cs
MUSTARD DROSS—360 bgs
OIL, COD—100 dms, Bank of Manhattan
548 cks
CODLIVER—1,145 dms, 225 bbls, 1 pkg
FUEL—8,085 tons
91,676 bbls
SASSAFRAS—20 dms
PETROLEUM, CRUDE—4,937 tons
QUEBRACHO EXTRACT—21,686 bgs, 2,602,320 lbs, The Tannin Corp
21,532 bgs, 2,583,640 lbs, International Product Corp
15,425 bgs, 1,851,000 lbs
ROCK, CRYSTAL—19 cs, Herbert P Brake
3 pkgs, Caldwell & Co
4 cs, M Schuster
WAX, BEES—30 blocks, 6,670 lbs, Coelho Bros
53 blocks, 11,660 lbs, H R Potter

72d—OPD—Year

Baltimore Imports

CHROME ORE—984 tons
ZINC, CONC—2,813 tons

72d—OPD—Year

Philadelphia Imports

ASBESTOS—4,900 bgs
CHROME ORE—11,205,130 lbs, E J Lavino & Co
COLOMBO ROOT—750 bgs
CORKS—15 bgs, H Casademont
CORK CURLINGS—680 bls, H Casademont
DISCWASTE—2,305 bls, H E Botzow
SHAVINGS—2,859 bls, J Sennfelt
VIRGIN—500 bls, H Casademont
579 bls, J Sennfelt
1,749 bls, Armstrong Cork Co
WASTE—1,702 bls, Mundet Corp
2,460 bls, H Casademont
11,000 bls, Armstrong Cork Co
WOOD—135 bls, Mundet Corp
2,100 bls, H Casademont
2,451 bls, Armstrong Cork Co
774 bls, J Sennfelt
PYRITES ORE—6,100 tons, General Chemical Co

YOU, too, should have your imports listed here for the information of OPD readers—it costs you nothing.

Mail lists of arrivals promptly and regularly, or telephone them—REctor 2-9820.

Paint Materials

Naval Stores

—Continued from page 42

pounds net; G, $4.71; M, $4.79; W.W., $5.06.

London, Dec. 14.—Rosin, W.W., 33s. per cwt.

Other Naval Stores

Pine Oil.—Local market quieter, but output moving steadily on contracts and tone remains firm.

Pitch.—Business generally along conservative lines locally, buyers inclined to hold off at this season.

Rosin Oil.—No broadening of trade reported, many consumers being disposed to adhere to a conservative course in making purchases.

Tar.—Quotations maintained and general situation remains firm, with business holding up well for this period.

Varnish Gums

Asphaltum.—In moderate demand and generally light supply. Tone strong.

Copals.—With the placing of numerous restrictions on the use of synthetic resins, many former consumers of those materials are turning to the natural resins to satisfy their requirements. Recent importations of Congo copal have amplified stocks of unsorted grades considerably and eleven new grades of sorted gum have made their appearance in the local market, to replace the now-unavailable Nos. 1 to 28. These new offerings of graded gum are designated Nos. 30 to 41, inclusive, the first-mentioned being of especially high quality and commanding 55¾c. to 56¼c. per pound in carload lots, while No. 40 is quoted lowest, at 8c. to 8½c. in car lots. Latest arrivals of unsorted gum have aggregated 423 bags. Varnish makers are purchasing a little more freely, although still limited to sixty days' requirements.

Glues and Binders

Casein.—Although the Office of Price Administration is believed to be on the eve of establishing a permanent price ceiling on this dried milk commodity on a dollars and cents basis, to replace the many different temporary ceilings permitted by Order 280, there has been no intimation in the industry when it will make its announcement on this score or as to what ruling it may make, with the co-operation of other federal bureaus, as to a possible granting of import permits, which would let Argentine casein in again. Meanwhile, the price range on 20-30 mesh domestic casein remains at 19c. to 21c. per pound. Argentine casein, recently offered as low as 5½c. on a cost and freight basis, is now quoted higher in Buenos Aires at 9c. per pound. Business in domestic material is slow, with only a light demand reported from paper coaters, who constitute the largest consumers, and with only a relatively small quantity being taken by the paint trade.

Glues.—Demand for hide glues continues extremely active, far outstripping the current output. Some of the higher grades almost unobtainable. Production is hampered by the inadequacy of raw material supplies. Prices for all grades are being strongly held. Bone glues are moving steadily into consuming channels, although not by any means as urgently called for as the hide glues.

72d—OPD—Year

Botanical Drugs

—Continued from page 64

Roots

Belladonna.—Demand considered, the supply was more than adequate, but the interest shown was small at the best.

Ipecac.—Some have exceptionally low price ceilings—lower, in fact, than goods can be replaced at today. Position of this article is subject to considerable study.

Mandrake.—Firmly placed and being examined closely as to general price position. Not much current demand.

Orris.—Some African root offered low as $1 per pound and high as $1.25 per pound without stirring much interest on the part of potential buyers.

Rhubarb.—Chinese root is about out of the picture, and candidates to serve for the duration are being examined by leading drug dealers.

Senega.—Quiet and reasonably quiet as to demand, this root was priced easily on the basis of declines noted in recent weeks.

Valerian.—The tendency to reduce stocks of Eastern root continues.

Seeds

Canary.—The War Production Board on December 15 restricted the movement of canary seed into the United States from Canada, Guatemala, Mexico and El Salvador. Previously, under the General Export Order M-63, imports by air, inland waterways or overland was exempted from import restrictions. The supplementary order M-63-a means that canary seed cannot be imported without specific WPB authorization. Full details elsewhere.

Caraway.—Dutch seed at a nearby point held for the higher price of $1.08 to $1.12 per pound. Morocco seed cheaper at 58c. to 60c. Syrian unchanged.

Celery.—Indian seed shaded to 26c. to 26½c. per pound under competition.

Cumin.—Morocco seed down to 15¾c. to 16¼c. per pound. Persian, 13½c. to 14c. Indian up a fraction to 12½c. to 13c. Cyprus unchanged.

Dill.—Inquiry developed competition and brought prices back to the basis of 8½c. to 9c. per pound.

Millet.—Fractionally higher at 3½c. to 4c. per pound. Hulled item unchanged.

Rape.—Seed down in some areas too late to get a stand before Winter. Means a shorter domestic crop next year. Holdover stocks more closely held. Argentina seed up to 9½c. to 10c.

Spices

Allspice.—Mexican material revalued upward to 23c. to 23½c. per pound.

Cassia.—Scarce and almost nominal. Saigon all medium lower at 61c. to 62c. per pound; all thin, 62c. to 63c.

Clove.—Zanzibar fractionally higher at 17¾c. to 18¼c. per pound.

Ginger.—Unbleached Cochin advanced to 24c. to 25c. per pound. Calicut up to 24c. to 25c. Jamaicas steady.

Nutmeg.—West Indian firmer and slightly higher at 39c. to 40c. per pound.

Pepper.—White, Java Muntok, 15-ton lots, up to 11.61c. per pound. Mombassa red chillies up to 24c. to 25c. Domestic Carolina longs firm at 18½c. to 19c. on actual trading.

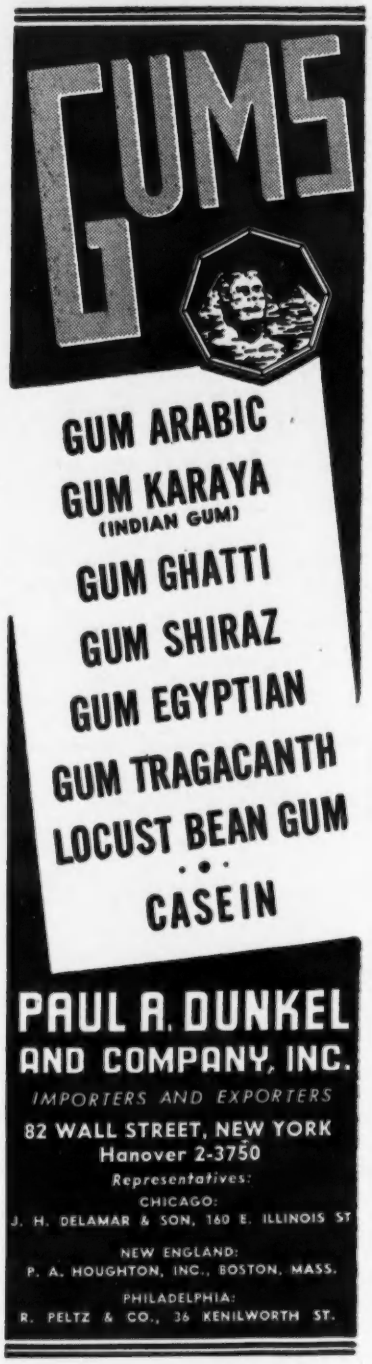
Trading in black pepper futures on the New York Produce Exchange from December 14 to December 18, inclusive, comprised nil contracts. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
May	....	....	6.63 bid
December	....	....	6.63 bid

Pimento.—London inquiries here for information regarding the price at which the United States can buy in Jamaica. Spot quotations drop to 25½c. to 26½c. per pound as competition presses. Are under ceiling.

Gum Importers Ass'n Re-elects Officers

Retiring directors of the American Gum Importers Laboratory, Inc., were re-elected at the annual meeting of its members, December 8, and at a subsequent meeting of the board all the officers were likewise re-elected.



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Index to Advertisements

Advance Solvents & Chemical Corp... —
Alabama Charcoal Co. ... 34
Alexander, Jerome ... 45
Algin Corp. of America ... 62
Alkydol Laboratories, Inc. ... 40
Allied Asphalt & Mineral Corp. ... —
Allied Organics Corp. ... —
Amcon Trading Co. ... 45
American Agricultural Chemical Co... 1
American British Chemical Supplies, Inc. ... 31
American Can Co. ... 8
American Cyanamid & Chemical Corp. —
American Flange & Mfg. Co. ... —
American Potash & Chemical Corp.... 50
American Wax Refining Corp. ... —
Anderson-Prichard Oil Corp. ... 58
Angus, W. W., Inc. ... —
Ansbacher-Siegel Corp. ... —
Ansul Chemical Co. ... 34
Apex Chemical Co., Inc. ... 48
Association of Consulting Chemists & Chemical Engineers, Inc. ... 45
Atlantic Coast Fisheries Co. ... 48
Atlas Powder Co. ... 49

Bagpak, Inc. ... 25
Baker, J. T., Chemical Co. ... 1
Barcan, Irving, Company ... —
Barium & Chemicals, Inc. ... 31
Barium Reduction Corp. ... 31
Barrett Division ... 36, 59
Bayonne Company, Inc. ... 55
Benzol Products Co. ... —
Berk, F. W., & Co., Inc. ... —
Binney & Smith Co. ... —
Blair Laboratory ... 45
Brighton Copper Works ... —
Brill Equipment Corp. ... 61
Brode Corp., The ... 43
Bromund, E. A., Co. ... —
Bureau of Chemistry ... 45
Burke, Edward S. ... —
Bush Pan-America, Ltd. ... —
Bush, W. J., & Co., Inc. ... —

Calco Chemical Division ... —
Calif. Fruit Growers Exchange... 18
Capital City Products Co. ... —
Carbide & Carbon Chemicals Corp.... 2
Carey, The Philip, Mfg. Co. ... —
Carus Chemical Co., Inc. ... —
Ceramic Color & Chemical Mfg. Co... —
Chase Bag Co. ... 49
Chemical Solvents, C. P., Inc. ... 64
Chrystal, Charles B., Co., Inc. ... —
Church & Dwight, Inc. ... 31
Coleman & Bell Co. ... 48
Colgate-Palmolive-Peet Co. ... 50
Colledge, E. W., General Sales Agent.. —
Colton, Arthur, & Co. ... 50
Columbia Chemical Division ... —
Commercial Solvents Corp. ... 6
Conray Products Co. ... —
Consolidated Products Co., Inc. ... 60
Continental Can Co. ... —
Cowles Detergent Co. ... —
Crown Can Co. ... —
Cummins & Grant ... 45

Dallal, D. S. ... —
Darling & Co. ... 44
Day Chemical Co. ... 45
Delta Chemical & Iron Co. ... —
Devold, Peder Oil Co., Inc. ... —
Diamond Alkali Co. ... —
Distillation Products, Inc. ... —
Dodge & Olcott Co. ... —
Doggett, Stanley, Inc. ... —
Douglass Sulphur Co. ... 34
Dow Chemical Co. ... —
Drew, E. F., & Co., Inc. ... 44
Duche, J. M., Sons, Inc. ... 40
Duff Chemical Co., Inc. ... 31
Dunkel, Paul A., & Co., Inc. ... 62
DuPont de Nemours, E. I., & Co., Inc. —
Duquesne Smelting Corp. ... 34
Eastman Kodak Co. ... —
Edcan Laboratories ... 50
Edwal Laboratories ... 48
Ehrlich, J. ... 45
Ellis-Foster Co. ... 45
Emery Industries, Inc. ... —
Emsco Equipment Co. ... 60
Enco Chemical Corp. ... 13
Faesy & Besthoff, Inc. ... 64
Fairmount Chemical Co., Inc. ... —
Felton Chemical Co., Inc. ... 56
Fezandie & Sperrle ... 35
Fine Organics, Inc. ... 64
First Machinery Corp. ... 60
Florasynth Laboratories, Inc. ... 63
Food Research Laboratories, Inc. ... 45
Frank-Vliet Co., Inc. ... —
Franks Chemical Products Co. ... 41
Freeport Sulphur Co. ... —
Fritzsche Bros., Inc. ... 55
Fulton Bag & Cotton Mills ... —

Gane's Chemical Works, Inc. ... 50
Gartenberg, H., & Co., Inc. ... 35
General Drug Co. ... 19
General Electric Co. ... —
Gesell, R., Inc. ... —
Givaudan-Delawanna, Inc. ... —
Golwynne Chemicals Corp. ... 15
Gray Industrial Laboratories ... 45
Gray, William S., & Co. ... 1
Greeff, R. W., & Co. ... 30
Gross, A., & Co. ... 43
Gruman, J. B., Co. ... 62
Gunning & Gunning ... 56

Hakkak, M. N., & Co. ... —
Hallowell, Horace J. ... 45
Hammond, W. A., Drierite Co. ... —
Hardesty, W. C., Co., Inc. ... 43
Harshaw Chemical Co. ... —
Hercules Powder Co., Inc. ... —
Heyden Chemical Corp. ... 47
Hooker Electrochemical Co. ... —
Hopkins, J. L., & Co. ... 53
Horn, Jefferys & Co. ... —
House of Wallace ... 55
Huisking, Chas. L., & Co. ... —
Hunt Chemical Works, Inc. ... 32
Hutchinson, D. W., & Co., Inc. ... 55

Imperial Paper & Color Corp. ... 41
Independent Mfg. Co. ... 44
Inland Alkaloid Co. ... 64
Innis, Speiden & Co. ... —
International Pulp Co. ... —
Irvington Smelting & Refining Works. 34

Jackle, Frank R. ... —
Jones & Laughlin Steel Corp. ... —

Kachurin Drug Co. ... —
Kane Import Corp. ... 56
Kansas City Limeolith Co. ... —
Kelco Company ... 53
Kentucky Color & Chemical Co. ... 42
Kessler Chemical Co., Inc. ... —
Knight, B. H. ... 45
Koppers Company ... 37
Krebs Pigment & Color Corp. ... —
Krumbhaar Chemicals, Inc. ... —
Lanaetex Products Sales Co. ... —
Laning, E. M., Co. ... 45
La Wall & Harrisson ... 45
Lawson, W. B., Inc. ... 32
Leghorn Trading Co., Inc. ... 48
Lemke, B. L., Fine & Rare Chemicals —
Leonhard, Theodor, Wax Co., Inc. ... —
Loeb, H., & Sons ... —
Loeb Equipment Supply Co. ... —
Lueders, George, & Co. ... 55

Maas, A. R., Chemical Co. ... 34
Machinery & Equipment Co. ... 60
Magnetic Pigment Co. ... —
Magnus, Mabee & Reynard, Inc. ... 55
Mallinckrodt Chemical Works ... —
Malmstrom, N. I., & Co. ... —
Manion Steel Barrel Co. ... 41
Marine Magnesium Products Corp. ... —
Mathieson Alkali Works, Inc. ... —
McKesson & Robbins, Inc. ... 49
Merck & Co., Inc. ... 46
Metasap Chemical Co. ... 39
Meyer, Herman Drug Co., Inc. ... —
Michigan Alkali Co. ... —
Millmaster Chemical Co. ... —
Mills, Zophar, Inc. ... —
Molnar Laboratories ... 45
Monsanto Chemical Co. ... —
Motor Repair & Mfg. Co. ... —
Munch, James C. ... 45
Mutual Chemical Co. of America... 35

National Aniline Division ... 17
National Box & Lumber Co. ... 33
National Can Company ... —
National Lead Co. ... —
National Milk Sugar Co. ... 50
National Rosin Oil & Size Co. ... 40
Natural Products Refining Co. ... 35
Neville Co. ... 42
Newark Steel Drum Co. ... —
New Jersey Zinc Co. ... —
N. Y. Quinine & Chemical Works, Inc. —
Niacet Chemicals Corp. ... 35
Niagara Alkali Corp. ... —
Niagara Chlorine Products Co. ... —
Oil States Petroleum Co., Inc. ... —
Oldbury Electro-Chemical Co. ... 30
Orbis Products Corp. ... 45
Orthmann Laboratories, Inc. ... —
Osborn, C. J., Co. ... —

Pacific Alkali Co. ... 32
Pacific Coast Borax Co. ... 1
Pacific Vegetable Oil Co. ... —
Paramet Chemical Corp. ... 39
Parsons, M. W. ... 40
Peek & Velsor, Inc. ... 54
Penick, S. B., & Co. ... 52
Pennsylvania Coal Products Co. ... —
Pennsylvania Industrial Chemical Corp. ... 41
Pennsylvania Refining Corp. ... —
Pennsylvania Salt Mfg. Co. ... —
Pfaltz & Bauer, Inc. ... —
Pfizer, Chas., & Co., Inc. ... 29
Phelps-Dodge Refining Co. ... —
Philadelphia Quartz Co. ... —
Philipp Brothers, Inc. ... —
Phosphate Mining Co. ... 33
Pittsberg Chemical Co. ... 32
Pittsburgh Plate Glass Co. ... —
Polak, Dr., Jose ... 32
Potash Co. of America ... 59
Prentiss, R. J., & Co. ... 54
Prior Chemical Corp. ... 1
Procter & Gamble ... 43, 48
Publicker Commercial Alcohol Co.... —
Purdy, W. S., Co., Inc. ... 45
Pure Calcium Products Division... —

Raisch, John E., & Co. ... 45
Reichhold Chemicals, Inc. ... —
Republic Equipment Co. ... 60
Republic Steel Corp. ... 38
Retort Pharmaceutical Co. ... —
Rheem Mfg. Co. ... —
Rimberg, A. J., Co. ... 44
Robinson-Wagner Co. ... 49
Rosenthal, H. H., Co. ... 50
Rufert Chemical Company ... 15

Sadtler, Samuel P., & Sons, Inc. ... 45
St. Joseph Lead Co. ... 27
St. Regis Paper Co. ... —
Santonine Co. of America, Inc. ... —
Schimmel & Co., Inc. ... 56
Schuylkill Chemical Co. ... 64
Schwarz Laboratories, Inc. ... 45
Seil, Putt & Rusby, Inc. ... 45
Seydel Chemical Co. ... 49
Sharples Chemicals, Inc. ... 1
Shell Oil Co. ... 21
Sherwood Refining Co. ... 57
Silmo Chemical Corp. ... 48
Skelly Oil Co. ... 22
Smith, George F. ... —
Smith, Kline & French Labs. ... —
Snell, Foster D., Inc. ... 45
Solvay Sales Corp. ... 23
Solvents Recovery Service ... —
Sonneborn, L., Sons, Inc. ... —
Southern Acid & Sulphur Co. ... —
Standard Alcohol Co. ... 40
Standard Brands, Inc. ... —
Standard Drug Co., Inc. ... —
Standard Oil Co. of Calif. ... —
Standard Synthetics, Inc. ... —
Standard Ultramarine Co. ... 42
Stanhope, R. C., Inc. ... 60
Stauffer Chemical Co. ... 30, 33
Stein Equipment Co. ... 60
Stillman & Van Sicklen, Inc. ... 45
Stillwell & Gladding Co. ... 45
Stroock & Wittenberg Corp. ... —
Sun Oil Co. ... 20
Sundheimer, Henry, Inc. ... 30
Synthetic Products Co. ... 42

Taintor Trading Co., Inc. ... —
Tamms Silica Co. ... 42
Tar & Chemical Div. of Koppers Co... 37
Tar Residuals, Ltd. ... —
Tennessee Corp. ... 34
Texas Gulf Sulphur Co., Inc. ... —
Thompson-Hayward Chemical Co. ... —
Thornton, The F. C., Co. ... —
Thurston & Braidich ... 62
Titanium Alloy Mfg. Co. ... —
Titanium Pigment Corp. ... —
Todd, A. M., Co. ... 56
Tombarel Products Corp. ... 56
Turner, Joseph, & Co. ... 49

Ultra Penn Refining Co. ... —
Union Bag & Paper Co. ... —
Union Carbide & Carbon Corp. ... 2
U. S. Industrial Chemicals, Inc. ... 41
U. S. Phosphoric Products ... 32
United States Potash Co. ... 59

van Ameringen-Haebler, Inc. ... 56
Vanderbilt, R. T., Co., Inc. ... —
Van Schaack Chemical Works, Inc.... —
Velsicol Corp. ... —
Victor Chemical Works ... 33
Viking Distributing Co. ... 56
Vitro Manufacturing Co. ... 41
Vol-U-Meter Co. ... —

Warwick Chemical Co. ... —
Water Service Labs., Inc. ... 45
Weiss & Downs, Inc. ... 45
Westvaco Chlorine Products Corp. ... —
Wet Ground Mica Assn. ... —
White Tar Co. of N. J. ... 37
Wiley & Co. ... 45
Will & Baumer Candle Co. ... 45
Williams, C. K., & Co. ... 40
Wilson & Bennett Mfg. Co. ... 16
Wilson-Martin Division ... 44
Winter, Wolff & Co. ... 60
Wishnick-Tumpeer, Inc. ... 11
Woburn Degreasing Co. of N. J. ... —
Wolf, Jacques & Co. ... —
Wood Preserving Corp. ... 37
Wood Ridge Division ... —

Zink & Triest Co. ... 62
Zinsser & Co., Inc. ... 34
Zophar Mills, Inc. ... —

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